Digital Video Disc Player
Owner's Manual

DVD590M

Important! Return your Warranty Registration Card within 10 days. See why inside.

STOP!

NEED HELP? CALL US!

PHILIPS REPRESENTATIVES ARE READY TO HELP YOU WITH ANY QUESTIONS ABOUT YOUR NEW PRODUCT. WE CAN GUIDE YOU THROUGH CONNECTIONS, FIRST-TIME SETUP, AND ANY OF THE FEATURES. WE WANT YOU TO START ENJOYING YOUR NEW PRODUCT RIGHT AWAY.

CALL US BEFORE YOU CONSIDER RETURNING THE PRODUCT.

1-800-531-0039

OR VISIT US ON THE WEB AT WWW.PHILIPS.COM

PHILIPS

Downloaded From Disc-Player.com Philips Manuals

Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

Once your PHILIPS purchase is registered, you're eligible to receive all the privileges of owning a PHILIPS product. So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.

Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your PHILIPS warranty.

Owner Confirmation

Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.

Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

PHILIPS

Congratulations on your purchase, and welcome to the "family!"

Dear PHILIPS product owner:

Thank you for your confidence in PHILIPS. You've selected one of the best-built, best-backed products available today. We'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the PHILIPS "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry. What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

Most importantly, you can count on our uncompromising commitment to your total satisfaction. All of this is our way of saying welcome - and thanks for investing in a PHILIPS product.

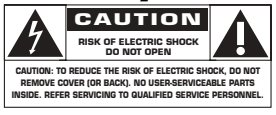
Sincerely,

Lawrence J. Blanford

Lawrence J. Blanford
President and Chief Executive Officer

P.S. Remember, to get the most from your PHILIPS product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

Know these **safety** *symbols*


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION: Pour éviter les choc électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

For Customer Use

Enter below the Model No. and Serial No., which are located on the rear of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

PHILIPS *Visit our World Wide Web Site at http://www.philips.com*

Downloaded From Disc-Player.com Philips Manuals

General Information
Table of Contents 3
Safety Information 4-5
Introduction 6

Getting Started
Playable Discs 7
Hookups 8-15

Quick Disc Playback
Quick Disc Playback 16

Player Controls
Remote Control 17
Front Panel 18
Rear Panel 19

Disc Playback Features
Title/Disc Menus, Chapter/Track Selection 20
Searching, Slow Motion 21
Still Picture, Time Search 22
Zoom, Camera Angle 23
Repeat, Repeat A-B 24
Audio Language 25
Subtitles 26
Parental Control Password 27
Parental Control Levels 28
MP3 Play 29
JPEG Play, Playback Control 30
Picture Controls 32

Player Setup and Features
TV Output 31
Picture Controls 32
TV Screen 33
Video Output 34
Scan Mode 35
Digital Output 36
Angle Mark 37
On-Screen Display Language 38
Screen Saver 39
Defaults 40

Information You May Need
Helpful Hints 41-42
Glossary 43
Specifications 44
Limited Warranty 45-46
Information Index 47

Manufactured under license from Dolby Laboratories. "Dolby," "Pro Logic," and the double-D symbol are trademarks of Dolby Laboratories.
Copyright 2003 Philips Consumer Electronics North America.

Downloaded From Disc-Player.com Philips Manuals

4 Safety Information

Safety Precautions

Warning: To prevent fire or shock hazard, do not expose this equipment to rain or moisture.
Federal Communications Commission (FCC) Warning: Any unauthorized changes or modifications to this equipment void the user's authority to operate it.

Laser Safety

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.
CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. The set complies with the FCC-Rules, Part 15 and with 21 CFR 1040.10.
CAUTION: Visible and invisible laser radiation when open and interlock defeated. Do not stare into the beam. The beam is located inside, near the deck mechanism.

Special Information for Canadian Users

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

Radio/TV Interference

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1) Reorient or relocate the receiving antenna.
2) Increase the separation between the equipment and the receiver.
3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4) Consult the dealer or an experienced radio/TV technician for help.

Environmental Information

Your system consists of materials that can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

Safety Information

- Do not expose the Player or the remote control to excessive moisture, rain, humidity, sand, or heat sources.
- Place the Player on its base and on a firm, flat surface.
- Keep the Player away from domestic heating equipment and direct sunlight.
- When placing the Player in a cabinet, allow about one inch of space all around the Player for ventilation.
- Do not spill water or put anything that is wet on the remote control.
- Do not drop the remote control.
- Batteries contain chemical substances. Dispose of them properly; keep them away from children.

Copyright Protection

Unauthorized copying, broadcasting, public performance and lending of Discs are prohibited. This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Declaration of Conformity

Model Number:	DVD590M
Trade Name:	Philips
Responsible Party:	Philips Consumer Electronics North America P.O. Box 14810, Knoxville, TN 37914-1810 (865) 521-4316

Downloaded From Disc-Player.com Philips Manuals

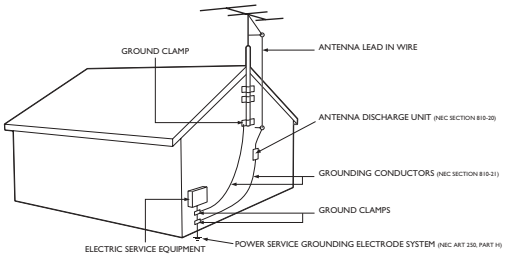
IMPORTANT SAFETY INSTRUCTIONS.
READ BEFORE OPERATING EQUIPMENT.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as if the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, or if the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org
16. **Damage Requiring Service -** The appliance should be serviced by qualified service personnel when:

A. The power supply cord or the plug has been damaged; or
B. Objects have fallen, or liquid has been spilled into the appliance; or
C. The appliance has been exposed to rain; or
D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
E. The appliance has been dropped, or the enclosure damaged.

17. **Tilt/Stability -** All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinet design.
    • Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
    • Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
18. **Wall or Ceiling Mounting -** The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
19. **Power Lines -** An outdoor antenna should be located away from power lines.
20. **Outdoor Antenna Grounding -** If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.
    Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure grounding of the lead-in wire to an antenna discharge unit, size of grounding connectors, location of antenna discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Figure below.
21. **Object and Liquid Entry -** Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
22. **Battery usage CAUTION -** To prevent battery leakage that may result in bodily injury or damage to the unit:
    • Install all batteries correctly, with + and - aligned as marked on the unit.
    • Do not mix batteries (old and new or carbon and alkaline, etc.).
    • Remove batteries when the unit is not used for a long time.

Example of Antenna Grounding per NEC - National Electrical Code


GROUND CLAMP
ANTENNA LEAD IN WIRE
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)
ELECTRIC SERVICE EQUIPMENT

Downloaded From Disc-Player.com Philips Manuals

6 Introduction

Welcome!

We hope you enjoy this Player and learn to appreciate its features. Read this manual carefully to learn to use the following features.

Features

- Favorite Track Selection
- Forward/Reverse Search
- Language choices for Subtitles*, Player's System Menu, and Audio*
- NTSC/PAL compatibility
- Parental Control*
- Paused Playback
- Repeat (A-B segment, Chapter, Title, Track, Disc)
- Slow Playback (forward)
- Time Search
- Zoom Playback

* *If available on the Disc*

Package Contents

- DVD Player
- Remote control with one lithium battery
- Audio cable (red, white)
- Video cable (yellow)
- This owner's manual and registration materials
- Power cord

DVD Disc Menus

Some explanations in this manual describe the DVD Disc Menus, which vary among DVDs. DVD Disc Menus allow you to choose different playback features from those available on the DVD. If the DVD has a menu, access it by pressing DISC MENU on the remote control. *Details are on page 25.*

Player's System Menu or DVD Setup Menu

Some instructions explain how to use the Player's System Menu to set up features of the Player or the Disc. Access the Player's System Menu by pressing SYSTEM MENU on the remote control. Even if a feature is set up in the System Menu, it will not be available if the current Disc does not include that feature. The Player also refers to the System Menu as the Setup Menu. These are the same.

Available Disc Features

Features described in this manual may not be available on every Disc. If the feature is not on the Disc, you cannot use the Player to make the feature available. The " ∅ " will appear in the top left corner of the TV screen if you try to access a feature that is not on the Disc.

Downloaded From Disc-Player.com Philips Manuals

DVD590M_17x 6/11/2003 1:42 PM Page 7

Playable Discs

This Player will play Digital Video Discs (DVDs), Video Compact Discs (VCDs), Super Video CDs, Audio CDs, and the Audio CD layer of Super Audio CDs. This Player also plays MP3 files recorded onto a Compact Disc Recordable (CD-R) or a Compact Disc Rewritable (CD-RW).
Discs having the following logos should play on this Player. DVDs must also meet the Region Code and Color System requirements described below.

DVD

CD-R

Audio CD

CD-RW

Video CD

MP3 files

Super Video CD

Super Audio CD (SACD) (plays the CD layer only)

DVD+R (finalised only)

DVD+RW (finalised only)

Region Codes

DVDs must be labeled for **ALL regions** or for **Region 1** in order to play on this Player. You cannot play Discs that are labeled for other regions.
Look for the symbols below on your DVDs. If these region symbols do not appear on your DVD, you cannot play the DVD in this Player.

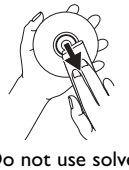
The number inside the globe refers to a region of the world. Region 1 represents the United States of America, Canada, upper regions of North America, Bermuda, the U.S. Virgin Islands, and small regions near Australia.
A Disc encoded in a specific region format can play only on DVD Players that have the same region code. So, if a Disc is labeled for Region 2, you cannot play that DVD on this Player (because this is a Region 1 Player).

Color Systems

Different color systems are available throughout the world. DVD makers record DVDs in a certain Color System. The Color System of the DVD may appear on the DVD or its case. The most common color systems are NTSC, which is used primarily in the United States and North America, PAL, and SECAM.
The Player's Color System must be the same as your DVDs and your TV. Set the Player's Color System to NTSC or PAL in TV Output. *Details are on page 31.*

Cleaning Discs

- Clean Discs with a cleaning cloth. Wipe from the center to the edge in a straight line.



- Do not use solvents such as benzine, thinner, commercially-available cleaners, or anti-static spray intended for analog discs.
- If the Player cannot read Discs correctly, use a commonly available cleaning CD/DVD to clean the lens. Other cleaning methods may destroy the lens. Always keep the tray closed to avoid dust on the lens.
- The lens may cloud over if you suddenly move the Player from cold to warm surroundings. Playing a Disc is not possible then. Leave the power on for about one hour with no Disc in the unit until playback is possible.

Helpful Hints

- *If you are having trouble playing a certain Disc, remove the Disc and try a different one. Improperly formatted Discs will not play on this Player.*
- *This Player supports only the first session of multi-session Discs.*

Downloaded From Disc-Player.com Philips Manuals

8 Hookups

Determining the best possible connection...

Your existing equipment, especially your TV, will determine your connection possibilities. However, the following guidelines describe which options provide the best picture and sound quality.

★★★★ Component Video provides the best picture quality. *Details are on page 12.*

★★★ S-Video provides excellent picture quality. *Details are on page 11.*

★★ Composite Video (a yellow Video jack) provides good picture quality. *Details are on page 10.*

★★ **Your TV may have only an RF-style jack, usually labeled Antenna In or 75 ohm or RF In. You will need an RF modulator in order to view the Player's materials at your TV. See your electronics retailer or contact Philips for details on RF modulator availability and operations.** *Details are on page 9.*

★★★★ Digital audio connections provide the clearest sound, but you must have a digital Stereo. Connect the COAXIAL Digital Audio Output jack of the Player to your Stereo's Coaxial Digital Audio In jack for the best sound quality. *Details are on page 14.*

★★★ If digital connections or multichannel connections are not possible, connect the Player's L (left, white) and R (right, red) jacks to the left and right Audio In jacks of your Stereo or TV. *Details are on pages 9-13.*

If your TV has a single Audio In jack instead of separate left/right Audio In jacks, you will need a different audio cable than the one supplied. You need a "splitter" audio cable to go from the L (left, white) and R (right, red) jacks of the Player to the single Audio In jack on your TV. See an electronics retailer or contact Philips for details.

Before you begin...

- Refer to the manuals of your TV, Stereo, or other equipment as necessary. Note the style of jacks and connectors on the other equipment. Determine how to choose different Audio and Video In channels on your other equipment so you can see and hear the Player's materials on the TV, Stereo, etc. Some equipment may let you choose the channels using a remote control or by adjusting a TV/VIDEO/AUXILIARY/SOURCE switch.
- Disconnect all equipment from the power outlets. Connect the equipment to the power outlets only after you have finished hooking up everything. Never make or change connections with equipment connected to the power outlet.

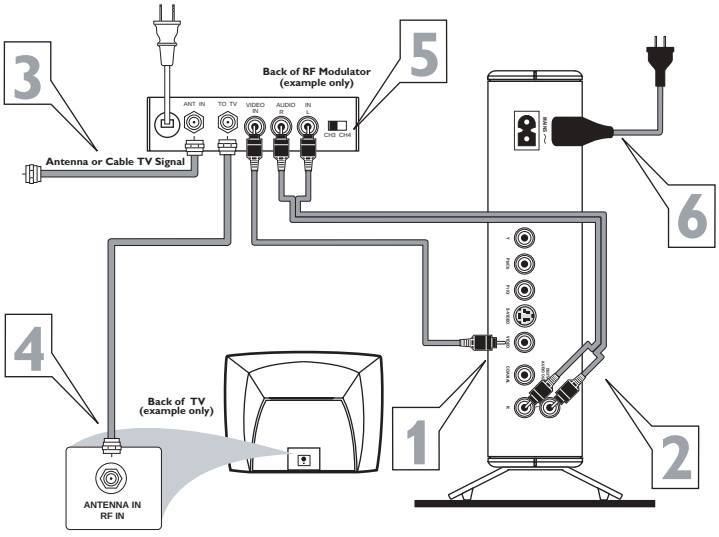
Remember...

- Connect the Player directly to the TV. For example, do not connect the Player to a VCR, then connect the VCR to a TV. This type of connection may distort the picture and sound. Also, your VCR may have a copy protection system that may distort the picture or prevent playback of some Discs.
- Set the TV to the correct Video In channel. Such channels may be called AUX or AUXILIARY IN, AUDIO/VIDEO or A/V IN, EXT1 or EXT2 or External In, etc. These channels are often near channel 00. Your TV or its remote control may have a Video or Auxiliary switch/button that allows you to choose the correct Video In channel. See your TV manual for details. Or, change TV channels until you see the Player's blue background screen on the TV.
- Set the Stereo or Receiver to the correct channel or "source" mode.
- Do not connect any of the Player's Audio Out jacks (L, R, etc.) to the PHONO IN jack of your Stereo.
- You only need one audio connection and one video connection between the Player and your TV and/or Stereo. So, you will not use all the jacks on the Player.
- Set TV OUTPUT (page 31), VIDEO OUTPUT (page 34), and DIGITAL OUTPUT (page 36) accordingly.

Once you determine the best option, find your choice on pages 9-14. Follow the steps for the hookup you choose.

Downloaded From Disc-Player.com Philips Manuals

Connecting to a TV Only
TV has only a single Antenna In or RF-In jack



Before you begin, make sure you have an RF modulator and extra RF coaxial cables. These are not supplied with the Player, but are available from Magnavox or most consumer electronics retailers.

1 **Connect the supplied video cable (which has yellow markings) to the Player's yellow VIDEO jack. Connect the other end of the cable to the VIDEO IN jack on the RF modulator.** The VIDEO IN jack on the RF modulator is usually yellow and might be labelled VIDEO, CVBS, COMPOSITE, or BASEBAND.

2 **Connect the supplied audio cable (which has white and red markings) to the Player's Audio L/R (left and right) jacks.**
Connect the other ends of the audio cable to the AUDIO IN jacks on the RF modulator. Audio jacks on the RF modulator usually are red (right) and white (left). Match the cable colors to the jack colors.

3 You probably already have an Antenna or Cable TV signal connected to the ANTENNA IN jack on your TV.
Disconnect it now from the TV. Reconnect the Antenna or Cable TV signal to the ANTENNA IN jack on your RF modulator.

4 **Connect an RF coaxial cable (not supplied) to the RF OUT, ANTENNA OUT, or TO TV jack on the RF modulator.** The RF OUT jack may be labelled differently among different brands. Refer to the instructions provided with your RF modulator.
Connect the other end of the same RF coaxial cable to the ANTENNA IN or RF IN jack on your Television.

5 Your RF Modulator should have a Channel 3/4 switch. The setting of this switch determines the TV channel on which you will watch materials playing on the DVD Player.
Set the RF Modulator's Channel 3/4 switch to either 3 or 4, whichever TV channel is least used in your area. If your RF modulator has a Modulator/Antenna switch, set it accordingly. Refer to the instructions that came with the RF Modulator.

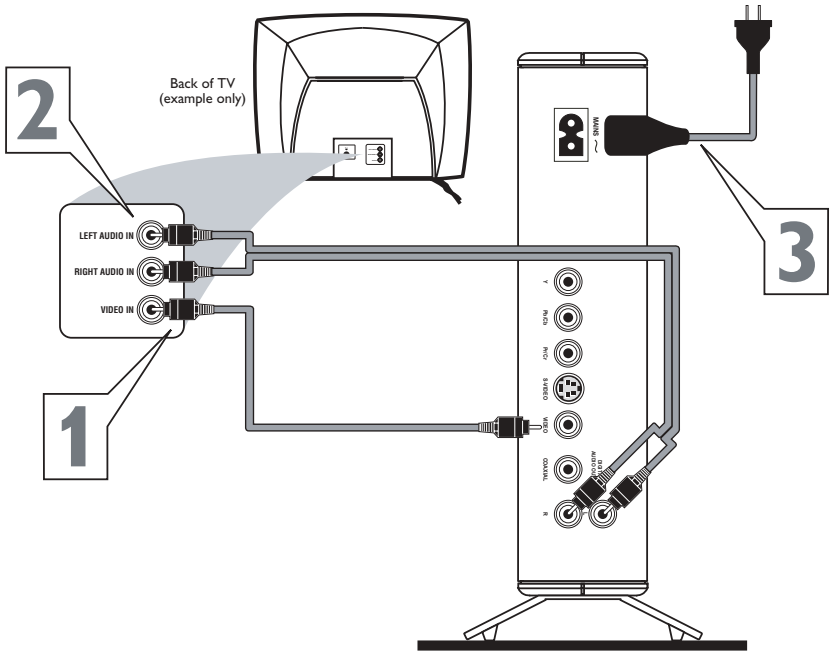
Turn on your TV and choose channel 3 or 4. Choose the same channel to which you set the RF Modulator's Channel 3/4 switch. Make sure the RF Modulator is on.

6 **Connect the supplied power cord to the MAINS ~ (AC Power) jack on the Player.**
Connect the AC plug to a power outlet. Press ⏻ on the Player or its remote to turn on the Player. If no Disc is in the Player, you should see the Player's blue background screen on the TV screen.

Downloaded From Disc-Player.com Philips Manuals

10 Hookups (cont'd)

Connecting to a TV Only
TV has a yellow Video In jack



1 **Connect the supplied yellow video cable to the Player's yellow VIDEO jack and to the corresponding VIDEO IN jack on your TV.**

2 **Connect the supplied red and white audio cables to the Player's R (right, red) and L (left, white) jacks and to the right/left AUDIO IN jacks on the TV**. Match the cable colors to the jack colors.

3 **Connect the supplied power cord to the MAINS ~ (AC Power) jack on the Player. Connect the AC plug to a power outlet.**

4 **Press ⏻ on the Player or its remote to turn on the Player. Turn on the TV and set the TV to the correct Audio/Video In channel. Such channels may be called AUX or AUXILIARY IN, AUDIO/VIDEO or A/V IN, EXT1 or EXT2, etc. These channels often are near channel zero (0).** See your TV owner's manual for details. Or, change channels at the TV until you see the Player's blue background screen on the TV.

5 **Set TV OUTPUT accordingly.** *Details are on page 31.*

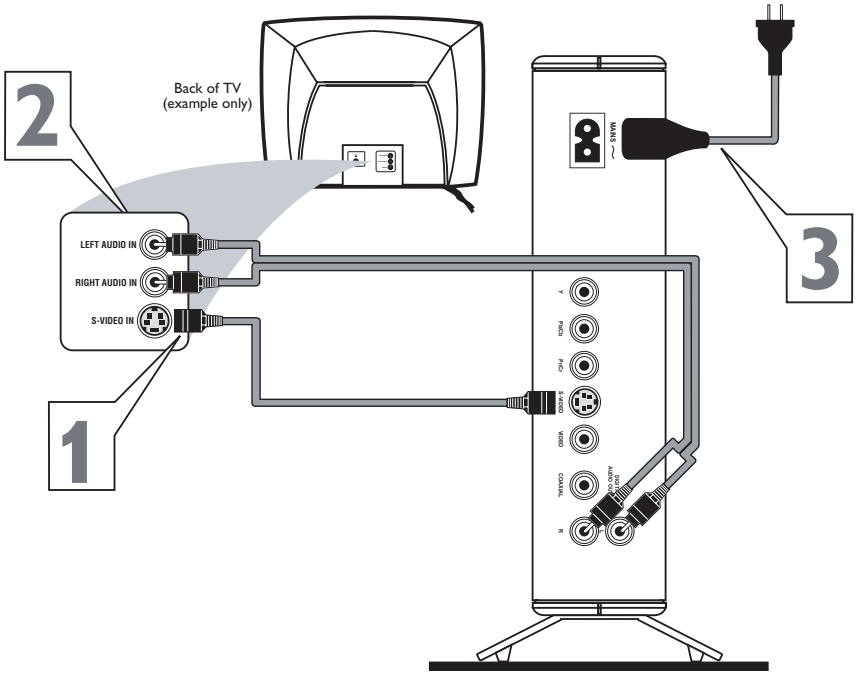
Helpful Hint

- *On the TV, the Video In jack is usually yellow and might be labeled video, CVBS, composite, or baseband.*

Downloaded From Disc-Player.com Philips Manuals

DVD590M_17x 6/11/2003 1:42 PM Page 11

Connecting to a TV Only
TV has an S-Video In Jack



1 **Connect an S-Video cable (not supplied) to the Player's S-VIDEO jack and to the TV's S-VIDEO IN jack.**

2 **Connect the supplied red and white audio cables to the Player's R (right, red) and L (left, white) jacks and to the right/left AUDIO IN jacks on the TV.** Match the cable colors to the jack colors.

3 **Connect the supplied power cord to the MAINS ~ (AC Power) jack on the Player.**
Connect the AC plug to a power outlet.

4 **Press ⏻ on the Player or its remote to turn on the Player.**
Turn on the TV and set the TV to the correct S-Video In channel. See your TV owner's manual for details. Or, change channels at the TV until you see the Player's blue background screen on the TV.

5 **Set TV OUTPUT accordingly.** *Details are on page 31.*
Set VIDEO OUT to CVBS/S-VIDEO. *Details are on page 34.*

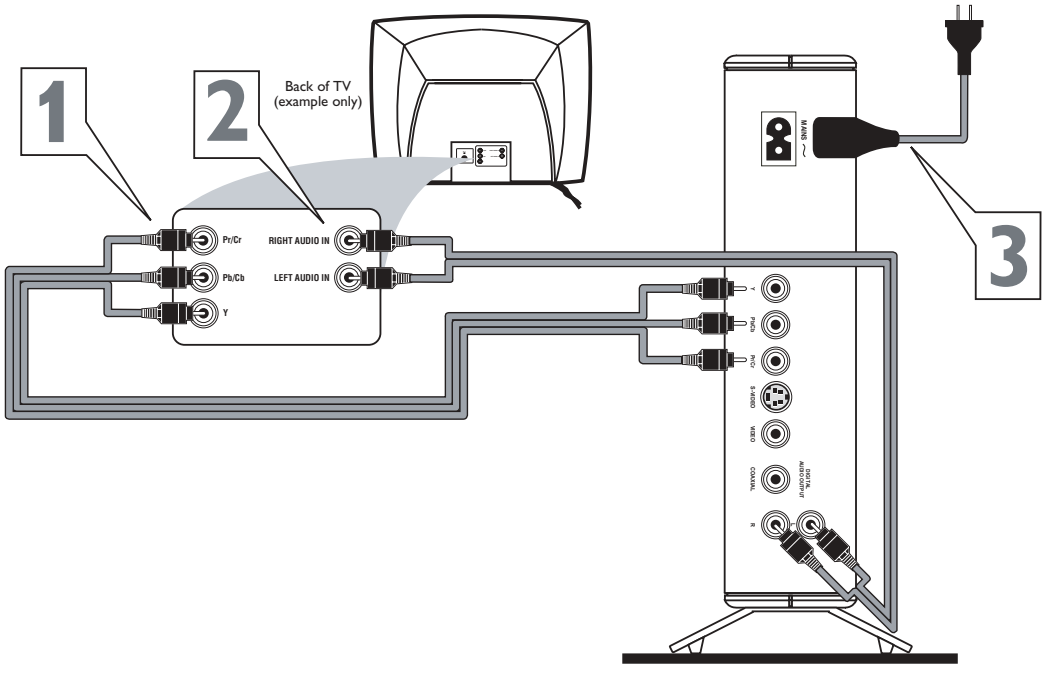
Helpful Hint

- *On the TV, the S-Video In jack may be labeled Y/C, S-Video, or S-VHS (super video).*

Downloaded From Disc-Player.com Philips Manuals

12 Hookups (cont'd)

Connecting to a TV Only
TV has Component Video In Jacks



1 **Connect the Player's Pr/Cr (red), Pb/Cb (blue) and Y (green) jacks to the corresponding Pr/Cr Pb/Cb Y VIDEO IN jacks on the TV. Use component video cable (not supplied).** Match the cable colors to the jack colors if your cables are color-coded.

2 **Connect the supplied red and white audio cables to the Player's R (right, red) and L (left, white) jacks and to the right/left AUDIO IN jacks on the TV.** Match the cable colors to the jack colors.

3 **Connect the supplied power cord to the MAINS ~ (AC Power) jack on the Player.**
Connect the AC plug to a power outlet.

4 **Press ⏻ on the Player or its remote to turn on the Player. Turn on the TV and set the TV to the correct Component Video In channel.** See your TV owner's manual for details. Or, change channels at the TV until you see the Player's blue background screen on the TV.

5 **Set TV OUTPUT accordingly.** *Details are on page 31.*
Set VIDEO OUTPUT to YPbPr. *Details are on pages 34 and 35.*

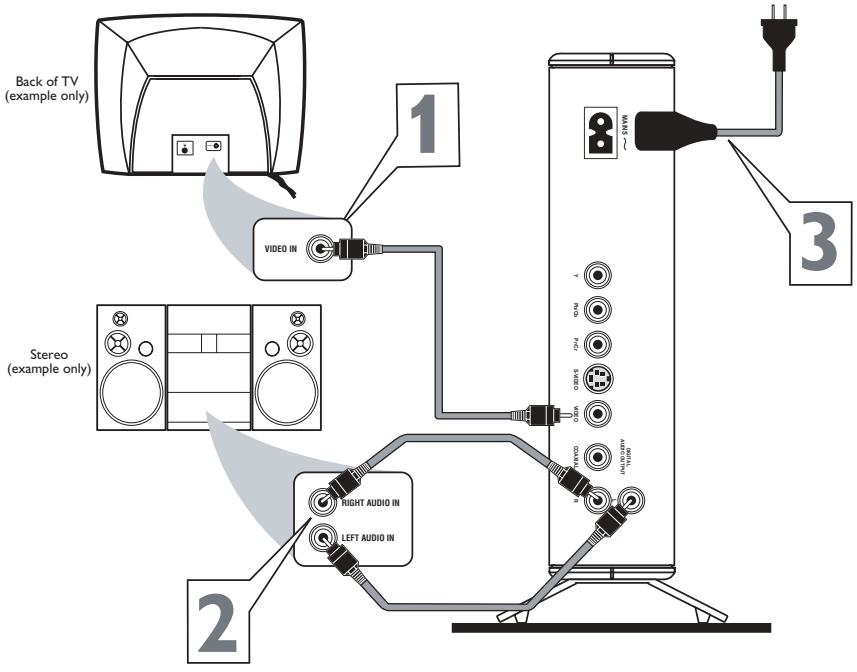
Helpful Hint

- *On the TV, the Component Video In jacks may be labeled YUV or Pr/Cr Pb/Cb Y and may be red, blue, and green.*

Downloaded From Disc-Player.com Philips Manuals

DVD590M_17x 6/11/2003 1:42 PM Page 13

Connecting to a TV and a two-channel Stereo (Stereo has Dolby Pro Logic or right/left Audio In jacks)



1 **Connect the supplied yellow video cable to the Player's yellow VIDEO jack and to the corresponding VIDEO IN jack on your TV.**

2 **Connect the supplied red and white audio cables to the Player's R (right, red) and L (left, white) jacks and to the right/left AUDIO IN jacks on the Stereo.** Match the cable colors to the jack colors.

3 **Connect the supplied power cord to the MAINS ~ (AC Power) jack on the Player.**
Connect the AC plug to a power outlet.

4 **Press ⏻ on the Player or its remote to turn on the Player.**
Turn on the TV and set it to the correct Video In channel. Such channels may be called AUX or AUXILIARY IN, AUDIO/VIDEO or A/V IN, EXT1 or EXT2, etc. These channels often are near channel zero (0). See your TV owner's manual for details. Or, change channels at the TV until you see the Player's blue background screen on the TV.
Turn on the Stereo and set it to the correct Audio In channel or sound source. Refer to the Stereo's manual.

5 **Set TV OUTPUT accordingly.** *Details are on page 31.*

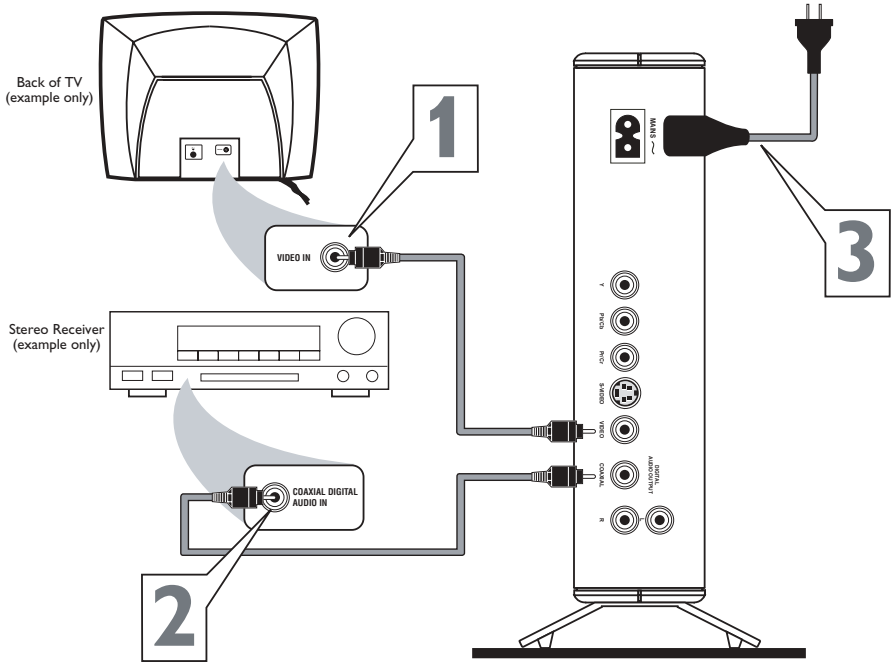
Helpful Hint

- *You may use S-Video or Component Video connections instead for higher picture quality. These options must be available on your TV. Details are on pages 10-11.*

Downloaded From Disc-Player.com Philips Manuals

14 Hookups (cont'd)

Connecting to a TV and a Digital Stereo (Receiver has PCM, Dolby Digital™, MPEG2, or Digital Theater System)



1 **Connect the supplied yellow video cable to the Player's yellow VIDEO jack and to the corresponding VIDEO IN jack on your TV.**

2 **Connect the Player's COAXIAL Digital Audio Output jack to the COAXIAL Digital Audio In jack on your Stereo.** A digital audio cable is not supplied.

3 **Connect the supplied power cord to the MAINS ~ (AC Power) jack on the Player.**
Connect the AC plug to a power outlet.

4 **Press ⏻ on the Player or its remote to turn on the Player.**
Turn on the TV and set it to the correct Video In channel. Such channels may be called AUX or AUXILIARY IN, AUDIO/VIDEO or A/V IN, EXT1 or EXT2, etc. These channels often are near channel zero (0). See your TV owner's manual for details. Or, change channels at the TV until you see the Player's blue background screen on the TV.
Turn on the Stereo and set it to the correct Digital Audio In channel or sound source. Refer to the Stereo's manual.

5 **Set TV OUTPUT accordingly.** *Details are on page 33.*
Set DIGITAL OUTPUT accordingly. *Details are on page 36.*

Helpful Hints

- *You will have Multichannel sound with this connection only if your Stereo has a digital multichannel decoder.*
- *Your Stereo must support MPEG2, Dolby Digital™ or Digital Theater System (DTS). Check the Stereo's manual.*
- *You may use S-Video or Component Video connections instead for higher picture quality. These options must be available on your TV. Details are on pages 9-12.*

Downloaded From Disc-Player.com Philips Manuals

Remote Control Setup

1 When you purchase this Player, a thin piece of plastic in the battery compartment of the remote control. This keeps the lithium battery fresh. You must remove the plastic before the remote will work. To do so, simply **pull the plastic out**.

Battery Replacement

A lithium battery is supplied with the remote control. You may need to replace it eventually.

1 Use your fingernail or a pointed, non-metallic object to release the battery tray. Slowly pull the tray out of the remote.

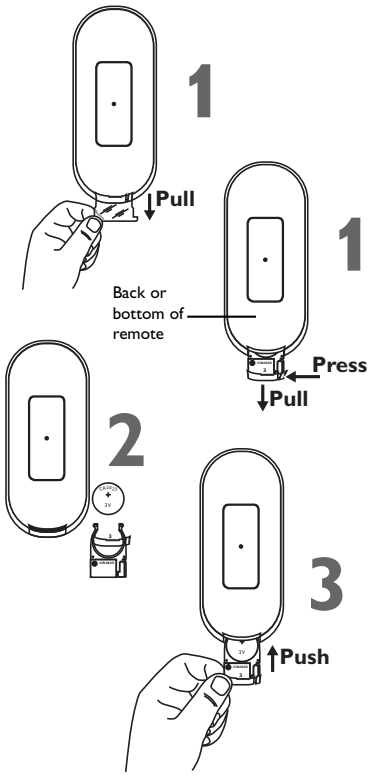
2 Remote the old battery. Replace it with a CR2025 lithium battery only. Using another battery may present a risk of fire or explosion. Make sure the "+" on the battery faces up when it is in the tray.

3 Slowly slide the tray into the remote until you hear it click into place.

BATTERY CAUTION: Risk of fire, explosion, and burns. Do not recharge, disassemble, heat above 100°C, or incinerate. The lithium battery may present a fire or chemical burn hazard if mistreated.
Promptly dispose of used batteries. Do not dispose of the battery in a fire. Keep the battery away from children.

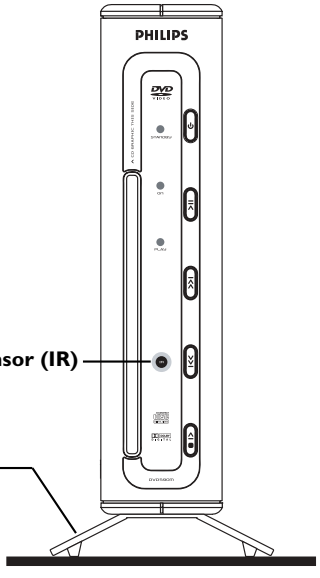
Using the Remote Control

When using the remote to operate the Player, aim the remote at the IR (Infrared) sensor on the top/front of the Player (not at the TV), *See page 17.*



Using the Remote Control

Always point the remote control directly at the remote sensor (IR or infrared) on the front of the Player, not the TV. *Details are on page 18.* Make sure there are no barriers between the remote control and the Player.

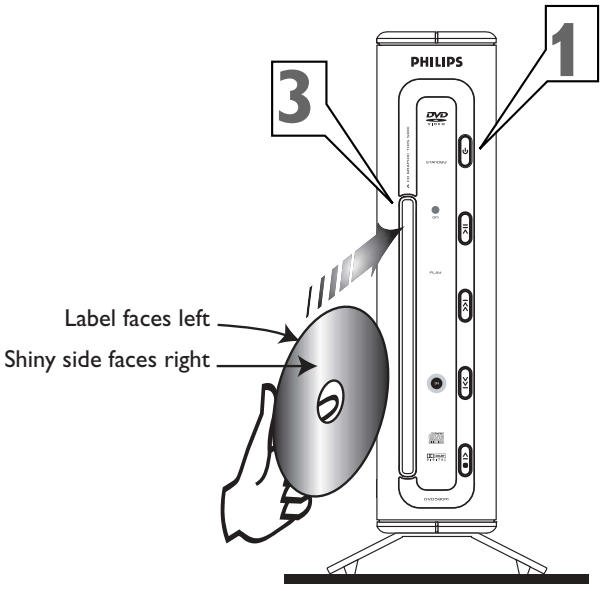


Base Installation

The Base should be attached to the DVD Player permanently. Do not remove the Player from the Base.

Downloaded From Disc-Player.com Philips Manuals

16 Quick Disc Playback



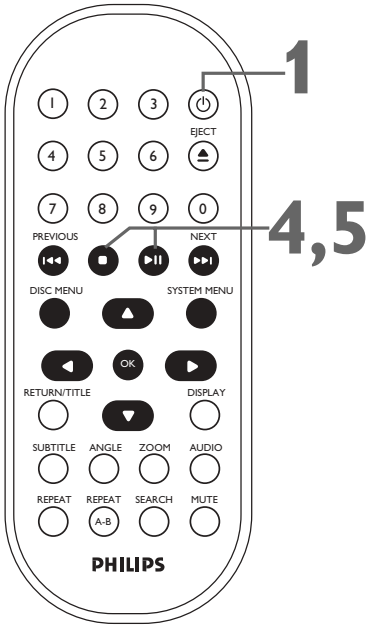
1 **Press Standby ⏻ to turn on the Player.**

2 **Turn on your TV. Set it to the correct Video In channel.**
You should see the blue DVD background screen on the TV (if no Disc is in the Player). To find the correct Video In channel, go to your lowest TV channel, then change channels down until you see the blue DVD background screen. The Video In channel will be channel 3 or 4 only if you are using an RF modulator as shown on page 9.

3 **Gently insert a Disc into the Disc Slot so about one-third of the Disc is in the slot. From that point, the Player will take the Disc and load it automatically.**
Load a single Disc with the label facing LEFT and the shiny side facing RIGHT. If a Disc is two-sided, make sure the label of the side you want to play is facing left when you insert the Disc.
Do not force a Disc into the Disc Slot. If the Player does not immediately accept the Disc, take away the Disc. Press Eject ⏏ to make sure there is not a Disc in the Player already.

4 **After the Player loads the Disc, play may begin automatically. If not, press Play/Pause ▶II.** Play will stop at the end of the Title or after the last Track.
If DVD play does not start, a Disc menu may appear. If the Title or Chapter selections are numbered, press a Number button to select an item. Or, press ◀, ▶, ▲ or ▼ to select an item, then press OK.

5 **To stop play at any time, press Stop ■ once.** To resume playing the Disc later from the same point, press Play/Pause ▶II. This is the LAST PLAY feature.
If you press Stop ■ twice to stop playing the Disc, play will start at the beginning of the Disc the next time you resume play.



Helpful Hints

- *If a Disc is locked by Parental Control, enter your password and press OK to watch the Disc. Details are on pages 27-28.*
- *DVDs have a region code. This Player only plays DVDs that are Region 1 (one) or All. Details are on page 7.*

Downloaded From Disc-Player.com Philips Manuals

NUMBER Buttons
Use to select numbered items in a Disc menu. *Details are on page 20.*

DISC MENU Button
Press to access a DVD's Disc menu. *Details are on page 20.*

ARROW ◄ ► ▲ ▼ Buttons
Press to select an item in a menu.

OK Button
Press to acknowledge a menu selection.

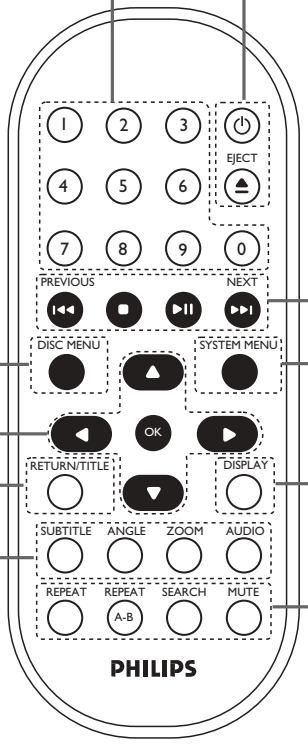
RETURN/TITLE Button
Press to use a DVD's Title menu. This is not available for all DVDs.

SUBTITLE Button
Press to select an available subtitle language. *Details are on page 26.*

ANGLE Button
Press to select a different camera angle during DVD playback. Multiple angles must be available on the Disc. *Details are on page 23.*

ZOOM Button
Press to enlarge the picture. *Details are on page 23.*

AUDIO Button
Press to select a different language or soundtrack during DVD playback. Multiple languages or soundtracks must be available on the DVD. *Details are on page 25.*



Standby ⏻ Button
Press to turn on or off the Player.

EJECT ⏏ Button
Press to eject the Disc from the Player's Disc slot.

PREVIOUS ⏮ Button
Press to go to the previous Chapter/Track.

Stop ■ Button
Press to stop playback.

Play/Pause ⏯ Button
Press to start or pause playback.

NEXT ⏭ Button
Press to go to the next Chapter/Track.

SYSTEM MENU Button
Press to access or remove the Player's System Menu.

DISPLAY Button
Press repeatedly during playback to see the elapsed or remaining playing time of a Chapter, Title, Track, or Disc. You may also see the Audio or Subtitle languages or Angles that are available. The information shown depends on the features available on the Disc.

REPEAT Button
Press to play a Chapter, Title, Track, or Disc repeatedly. *Details are on page 24.*

REPEAT A-B Button
Press to set up Repeat A-B playback, in which a certain segment of the Track or Title plays repeatedly. *Details are on page 24.*

SEARCH Button
Press to search for a specific Track or Chapter number. *Details are on pages 20-22.*

MUTE Button
Press to silence the Player's volume. The mute symbol (🔇) will appear in the top left corner of the TV screen. Press MUTE again to restore the volume. (Adjusting the volume at the TV will not restore the sound.) Point the remote control at the DVD Player, not your TV.

Downloaded From Disc-Player.com Philips Manuals

18 Front Panel

Disc Slot
Insert a Disc here. Insert about one-third of the Disc, then the Player will accept the Disc automatically.
Do not press the Disc or force the Disc into the Player. If the Player does not automatically accept the Disc, press Eject ⏏ to make sure there is not a Disc already in the Player. Load the Disc with the label facing left (shiny side facing right). If the Disc is two-sided, the label of the side you want to play must face left.

IR (infrared Remote Sensor)
Point the Player's remote control here (not at your TV) when using the remote to operate the Player.

PLAY light
This orange light appears during Disc play.

ON light
This orange light appears when the player is on.

STANDBY ⏻ light
This red light appears when the Player is off.

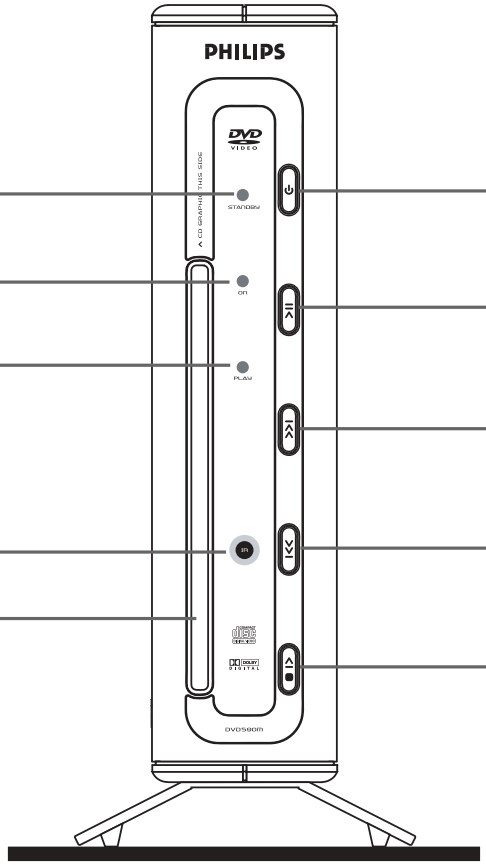
Eject ⏏ Button
Press once to stop disc playback.
Press a second time to eject the disc from the Player.

Previous ⏮ Button
Press to move to a previous Chapter or Track.

Next ⏭ Button
Press to go to the next Chapter or Track.

Play/Pause ⏯ Button
Press to play a Disc. Press once during play to pause play; press again to resume play.

STANDBY (Power) ⏻ Button
Press to turn the Player on or off (Standby.)



Downloaded From Disc-Player.com Philips Manuals

S-VIDEO (Out) jack
Connect an S-Video cable (not supplied) here and to the S-Video In jack of a television. *Details are on page 11.*

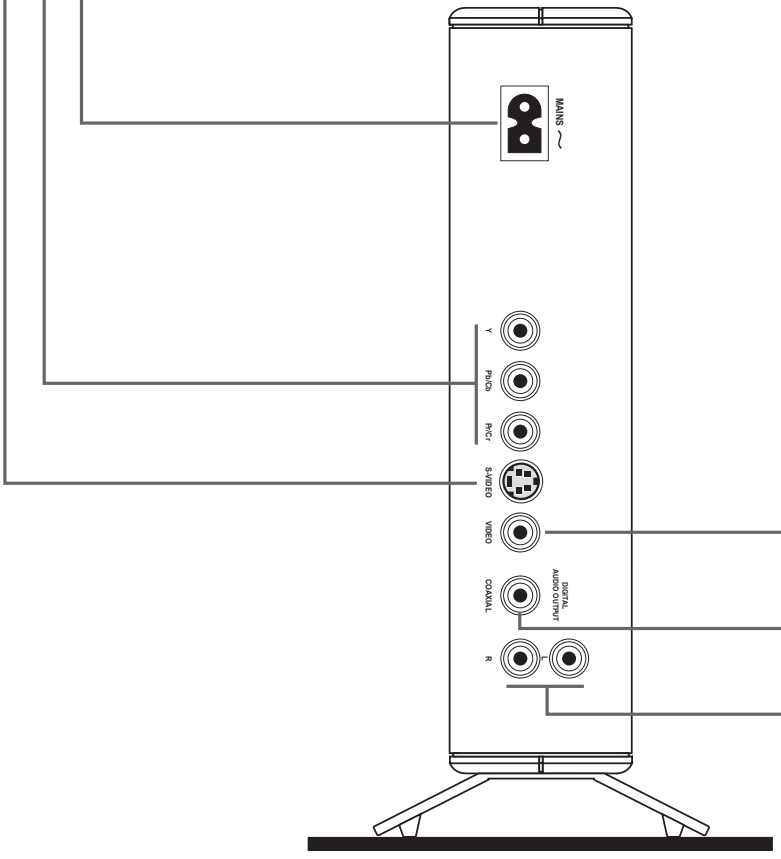
Y Pb/Cb Pr/Cr (Component Video Out) jacks
Connect component video cables (not supplied) here and to the Component Video In jacks of a TV. *Details are on page 12.*

MAINS (Power) jack
Connect the supplied power cord here and to a standard power outlet to supply power to the Player. *Details are on pages 9-14.*

Audio L/R (left/right) jacks
Connect the supplied audio cables (red and white) here and to the Audio In jacks on your TV, Stereo, or RF Modulator. *Details are on pages 9-13.*

COAXIAL Digital Audio Output jack
Connect an optional digital audio coaxial cable here and to the Coaxial Digital Audio In jack of a Stereo. *Details are on page 14.*

VIDEO (Out) jack
Connect the supplied yellow video cable here and to the Video In jack of a TV or RF modulator. *Details are on pages 9-10.*



Caution

- *Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may damage the unit permanently.*

Downloaded From Disc-Player.com Philips Manuals

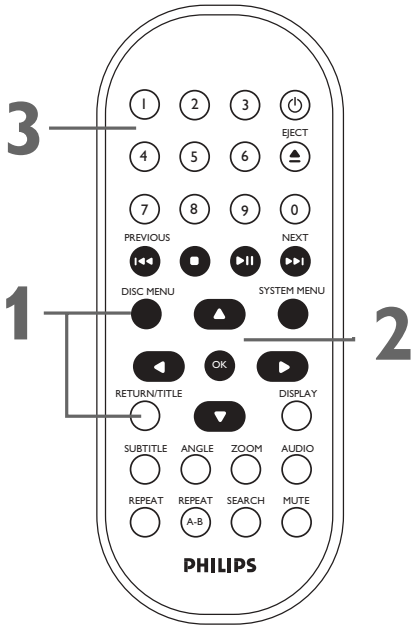
20 Title/Disc Menus, Chapter/Track Selection

Title/Disc Menus

1 **Press DISC MENU to access the main DVD Disc menu.** (ROOT MENU may appear in the top right corner of the TV screen briefly.) The menu will show the features that are available on the Disc. The menus are different for every Disc, because all Discs do not have the same features.
Or, press RETURN/TITLE if the current Title of the current DVD has a Title menu. The Title menu will appear on the screen.

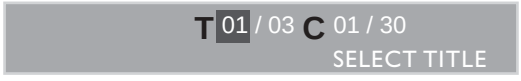
2 **Press ◄ , ► , ▲ or ▼ to select items in the menu, then press OK.** Continue until you set up all the features you want or until you play the Disc.
If a menu lists a "Play movie" option, use the ◄ ► ▲ ▼ and OK buttons to select it and play the Disc. Do this instead of using Play/Pause ►II to start playing the Disc.

3 **If Chapters or options are numbered, press the appropriate Number button to select the item.** Some DVDs may not allow you to operate the Disc menu this way. Follow the instructions on the Disc.



Chapter/Track Selection

1 **Press SEARCH twice during DVD playback until the Title and Chapter appear at the top middle of the screen.**



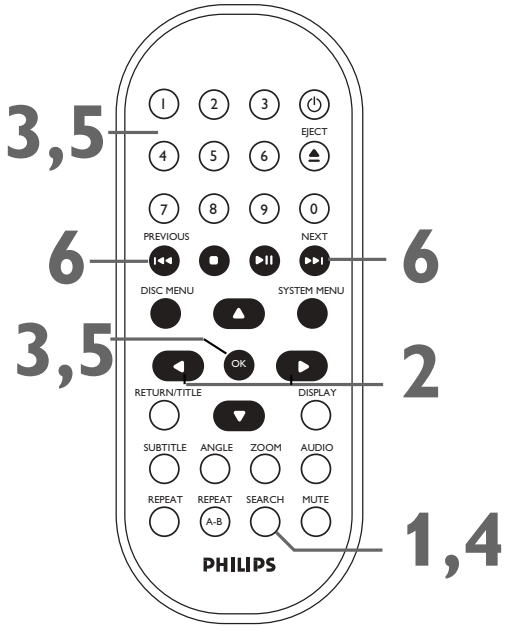
2 **Press ◄ or ► to highlight the Title, Chapter or Track edit bar.**

3 **To change Title/Chapter, press the Number buttons** to enter the Title first, then press **OK** to start playback of the choosen Title.

4 **Then press SEARCH twice again until Title/Chapter,** edit bar reappear on the TV screen.

5 **Press the Number buttons to enter the Chapter,then press OK to start playback of the choosen Chapter within the Title.**
If you select the incorrect Title/Chapter, press ◄ ('Select Title' appears) or ► ('Select Chapter' appears) and select your desired option using the Number buttons and press **OK.**

6 **Press NEXT ►►I during playback to go to the next Track/Chapter.**
Press PREVIOUS I◄◄, repeatedly to return to the beginning of previous Tracks/Chapters.

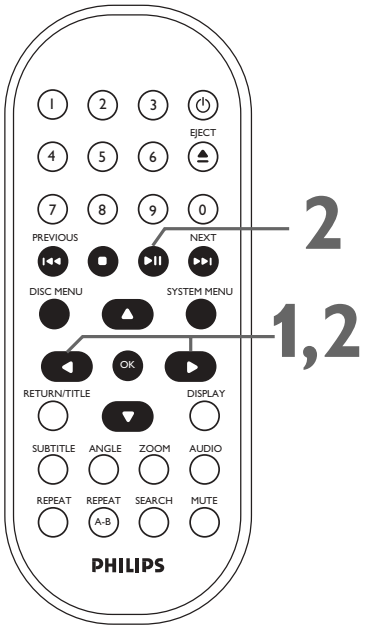


Downloaded From Disc-Player.com Philips Manuals

Fast Forward and Fast Reverse

1 **Press ▶ repeatedly during play to fast forward the Disc at two, four, eight, 16, or 32 times the normal speed. Or, press ◀ repeatedly to play the Disc backward at two, four, eight, 16 or 32 times the regular speed.**

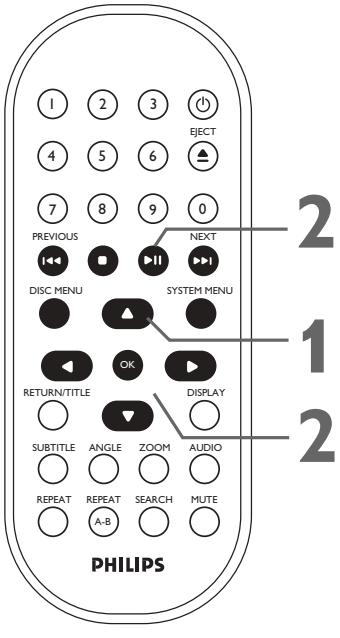
2 **To resume normal play, continue to press ◀ or ▶ until ▶ appears in the top right corner of the TV screen. Or, press Play/Pause ▶II to resume normal play. If the Disc pauses instead, press Play/Pause ▶II again.**



Slow Motion

1 **During play, press ▲ to play a DVD or Video CD forward in slow motion.** Press ▲ repeatedly to play the Disc forward at 1/2, 1/4, 1/8, 1/16, or 1/32 of the normal speed. You cannot play a Disc in reverse slow motion.

2 **To resume normal play, press ▲ repeatedly until ▶ appears in the top right corner of the TV screen. Or, press Play/Pause ▶II to resume normal play. If the Disc pauses instead, press Play/Pause ▶II again.**



Helpful Hint
• *Slow motion is not available for Audio CDs.*

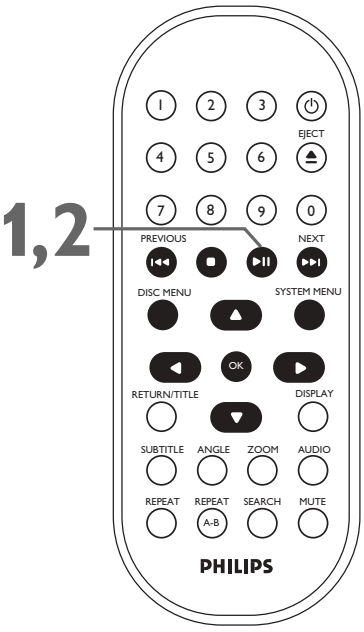
Downloaded From Disc-Player.com Philips Manuals

22 Still Picture, Time Search

Still Picture

1 **During play, press Play/Pause ►II once.** A still picture will appear. The II symbol will appear in the top right corner of the TV screen.

2 **To resume normal play, press Play/Pause ►II again.**



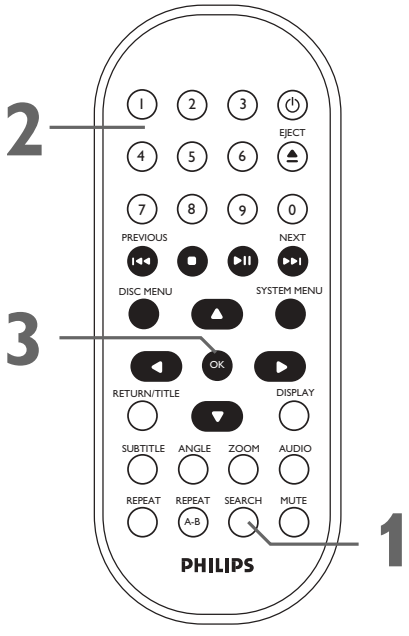
Time Search

Time Search lets you choose a specific elapsed playing time at which you want to resume Disc play.

1 **Press SEARCH during play.**

2 **Press the Number buttons to enter the elapsed playing time at which you want to resume playback.**
For a DVD, enter the amount of time in hours, minutes, and seconds. The time must be available within the current Title.
For an Audio CD or Video CD, enter a time in minutes and seconds that is within the current Track.

3 **Press OK to start play at the time you selected.**



Downloaded From Disc-Player.com Philips Manuals

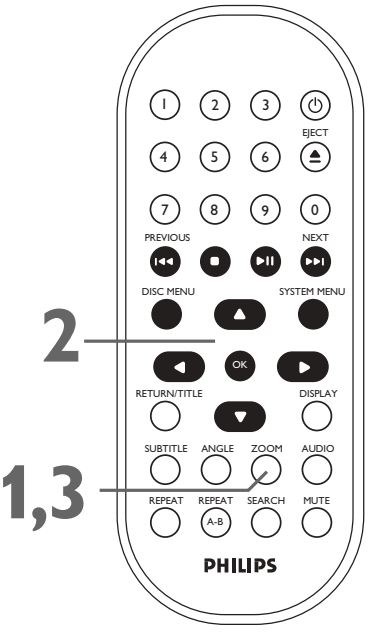
Zoom

Zooming lets you enlarge the video image during play.

1 **Press ZOOM repeatedly during play to make the picture two or four times larger than normal.**

2 **Press ◄ , ► , ▲ , or ▼ to move around in the enlarged picture.**

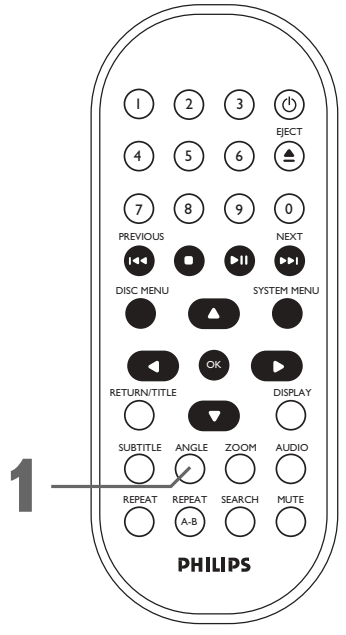
3 **During ZOOM repeatedly to return the picture to its normal size.**



Camera Angle

Some DVDs include scenes recorded from different angles or perspectives. To watch segments from a different angle, follow these steps.

1 **During DVD play, press ANGLE repeatedly to choose the angle you want.** In a few seconds, play will change to the selected angle. If different angles are not available during the current scene, 1/1 may appear in the top right corner of the TV screen when you press ANGLE.
Or, if ANGLE MARK is ON, the Angle Mark and the number of available perspeclives appear in the top left corner of the TV screen during play if multiple angles are available. Press the Number buttons to select a different angle. *Angle Mark details are on page 37.*



Downloaded From Disc-Player.com Philips Manuals

24 Repeat, Repeat A-B

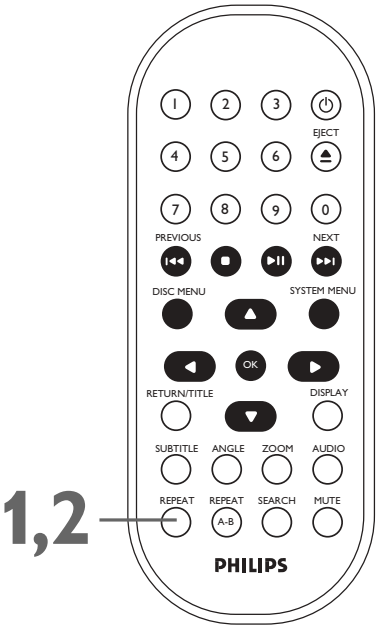
Repeat

You may play a Chapter, Track, Title, or Disc repeatedly.

1 **During play, press REPEAT repeatedly to choose a Repeat mode.**

- **To repeat the current Chapter/Track, press REPEAT** so REPEAT CHAPTER (DVD Chapter) or REPEAT TRACK (Audio CD or Video CD Track) appears briefly in the top right corner of the TV screen.
- **To repeat the current Title (DVD only), press REPEAT again** so REPEAT TITLE appears briefly in the top right corner of the TV screen.
- **To repeat the entire Disc (Audio CD or Video CD only), press REPEAT again** so REPEAT DISC appears briefly in the top right corner of the TV screen.

2 **To cancel repeat play, press REPEAT again** so ➜ REPEAT OFF appears briefly in the top right corner of the TV screen.



Repeat A-B

You can set the Player to play only a specific portion of a Chapter or Track repeatedly. Follow these steps.

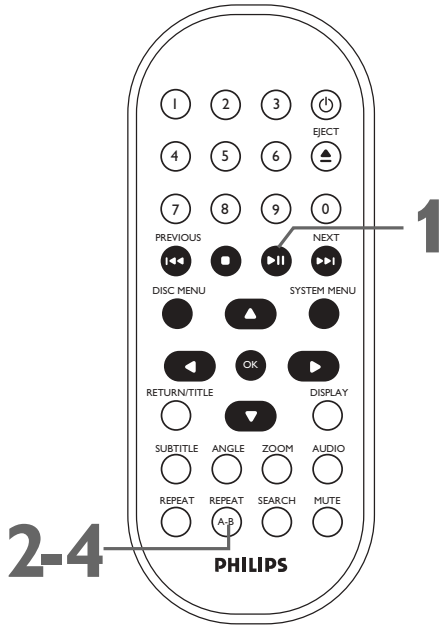
1 **Press Play/Pause ►II to start Disc play.**

2 **When the Disc reaches the point at which you want repeated playback to begin, press REPEAT A-B.** This sets Point A, or the point at which repeated play will begin. A-B REPEAT, SET A POINT will appear briefly in the top right corner of the TV screen.

3 **When the Disc reaches the point at which you want to end the segment, press REPEAT A-B again.** This sets Point B, or the point at which repeated play will end. A-B REPEAT, SET B POINT will appear briefly in the top right corner of the TV screen. The segment will begin playing repeatedly.

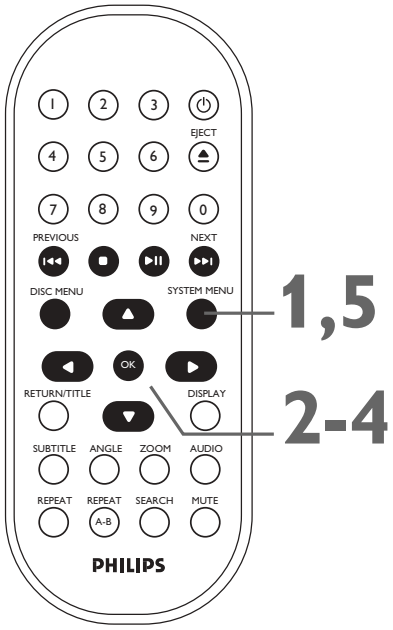
The symbol will appear in the top right corner of the TV screen during Repeat A-B play.

4 **To resume regular play, press REPEAT A-B again.** ➜ REPEAT OFF will appear briefly in the top right corner of the TV screen.



Downloaded From Disc-Player.com Philips Manuals

Some DVDs have Audio (sound) recorded in multiple languages. Choose the language you want to hear by adjusting AUDIO.
The easiest way to choose a different language is to press the remote's AUDIO button repeatedly during DVD play. This lets you choose from the languages available on the current DVD. Or, to use the Player's menu to change the Audio language, follow the steps below. Not all languages listed for AUDIO in the Player's menu are available for every DVD. If the language you select is not on the DVD, changing AUDIO in the Player's menu will have no effect.



1 **Press SYSTEM MENU.**

2 **Press ◄ or ► repeatedly to select the DVD SETUP menu.**

3 **Press ▼ repeatedly to select AUDIO.**

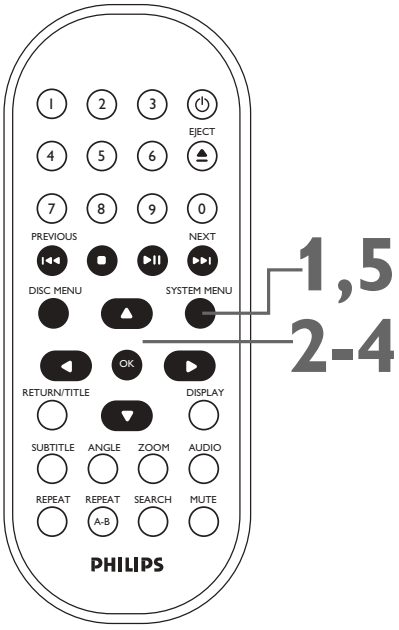
4 **Press ◄ or ► to choose ENGLISH, FRENCH, RUSSIAN, JAPANESE, GERMAN, or CHINESE, then press OK**. The Disc sound will appear in the language if that language is on the DVD. Some DVDs will allow you to change the Audio language only in the Disc menu. Check your DVD or its case for details.

5 **Press SYSTEM MENU to remove the menus.**

Downloaded From Disc-Player.com Philips Manuals

26 Subtitles

Some DVDs include subtitles in different languages. The easiest way to choose a language for subtitles is to press the SUBTITLE button repeatedly during DVD play. This lets you choose from the subtitles that are available on the current DVD.
Or, to use the Player's menu to change subtitles, follow the steps below. Not all languages listed for SUBTITLE in the DVD Player's menu are available for every Disc. If the language you select is not available on the Disc, changing the SUBTITLE language in the Player's menu will have no effect.



1 **Press SYSTEM MENU.**

2 **Press OK repeatedly until the DVD SETUP menu appears.**

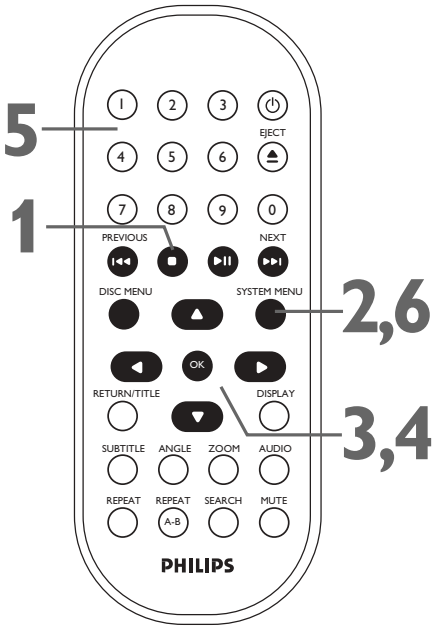
3 **Press ▼ or ▲ to select a SUBTITLE language.**

4 **Press ◀ or ▶ to choose ENGLISH, FRENCH, RUSSIAN, JAPANESE, GERMAN, or CHINESE, then press OK**. The Subtitles will appear in the language you selected. Some DVDs will allow you to change the available Subtitles only in the Disc menu. Check your DVD or its case for details.

5 **Press SYSTEM MENU to remove the menus.**

Downloaded From Disc-Player.com Philips Manuals

Parental Control limits viewing of Discs that exceed the limits you set. This feature will not limit viewing if the Disc manufacturer did not code the Disc. Philips cannot guarantee the availability of Parental Control with all Discs, and therefore denies any liability associated with unintended watching of Discs. Make sure your Discs play according to your Parental Control settings before you allow children access to the Player or Discs.
You will need a four-digit password to change the Parental Control or to play blocked Discs. To set a password, follow these steps.



1 **Press Stop ■ twice to stop play completely.**

2 **Press SYSTEM MENU.**

3 **Press OK repeatedly to select the DVD SETUP menu.**

4 **Press ▼ repeatedly to select "– – – –" beside PASSWORD. You can select PASSWORD only if Disc play is stopped completely.**

5 **Use the Number buttons to enter a four-digit password.** A series of asterisks (*) will show on the screen instead of your password. This protects its identity.

- When setting a new password, you must enter it twice. "CHANGE OK" will appear briefly beside PASSWORD. This indicates the new password is set.
- If you enter an incorrect password, "ERROR" will appear briefly. Try again with the correct password.
- Write down your password in the chart below so you can remember it later. Also write the date you assigned the password.

Password	*Date*

6 **Press SYSTEM MENU to remove the menus.**

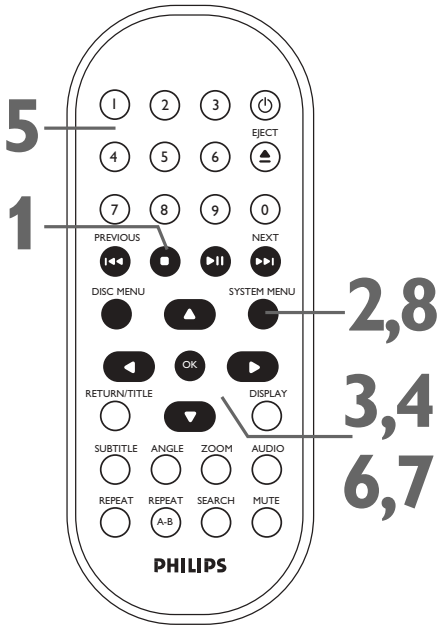
Helpful Hint

- *The default password is 3351. You can use 3351 if you cannot remember your own personal password.*

Downloaded From Disc-Player.com Philips Manuals

28 Parental Control Levels

Some DVD and Video CD makers code the Disc so it will only play according to the level you set at the Player. The Parental Control level may apply to the complete Disc or to certain scenes on the Disc. Follow the steps below to set the Parental Level at which you want Discs to play.



1 **Press Stop ■ twice to stop play completely.**

2 **Press SYSTEM MENU.**

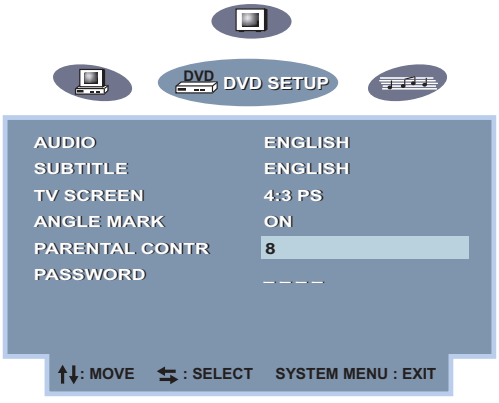
3 **Press OK repeatedly to select the DVD SETUP menu.**

4 **Press ▼ repeatedly to select "– – – –" beside PASSWORD. You can select PASSWORD only if play is stopped completely.**

5 **Use the Number buttons to enter your four-digit password.**

6 **Press ▲ to select PARENTAL CONTR.**

7 **Press ◄ or ► to select a control level, then press OK.** Refer to the RATING EXPLAN & TIONS below to choose a level.



8 **Press SYSTEM MENU to remove the menus.**

RATING EXPLANATIONS

The rating numbers (1-8) compare to U.S. movie ratings as follows:

- 8 - ADULT - Mature material; should be viewed only by adults due to graphic sexual material, violence, or language.
- 7 - NC-17 - No children under age 17; not recommended viewing for children under age 17.
- 6 - R - Restricted; recommended that parents restrict children under age 17 from viewing or allow children to view only when supervised by a parent or adult guardian.
- 4 - PG 13 - Material is unsuitable for children under age 13.
- 3 - PG - Parental Guidance suggested.
- 1- G - General Audience; recommended as acceptable for viewers of all ages.

Helpful Hints

- *Set PARENTAL CONTR to 8 if you want to watch all Discs. This will essentially turn off Parental Control and allow all Discs to play without requiring a password.*
- *You can only select PARENTAL CONTR after entering a correct password.*

Downloaded From Disc-Player.com Philips Manuals

DVD590M_17x 6/11/2003 1:42 PM Page 29

MP3 is a compression method that makes digital music files up to 10 times smaller without losing significant sound quality. MP3 is common on the Internet, letting you transfer Tracks to your computer and onto a CD Recordable or CD Rewritable disc. Materials and equipment with which to make MP3 recordings are not supplied with this Player.
MP3 Tracks are recorded at a certain bit rate or speed. Slower bit rates (32 kbps or 64 kbps) let you record more using less Disc space, but have the lowest sound quality. Faster bit rates (256 kbps or 320 kbps) provide better sound quality but use a lot of Disc space. The average bit rates (96 kbps or 128 kbps) provide CD-like quality and are most recommended. Keep these characteristics in mind when making Discs that you intend to play on this Player.

This Player supports the following characteristics of MP3 files:
- File or Track names ending in .mp3
- Names of Albums, Artists, etc., with a maximum of 30 characters
- Maximum nested directory of eight levels
- Sampling frequencies: 32 kHz, 44.1 kHz, 48 kHz
- Bit-rates: 32-256 kbps
- The first session of multisession discs

The following characteristics are not supported:
- File or Track names ending in .wma, .aac, .dlf, .m3u, and .pls
- Chinese file names
- Non-session closed discs
- Discs recorded in UDF format

MP3 Features

1 **When you insert a Disc with MP3 files, the Tracks and Albums (or Folders) available will appear on the TV screen.** It may take the Player several seconds to recognize the Disc.

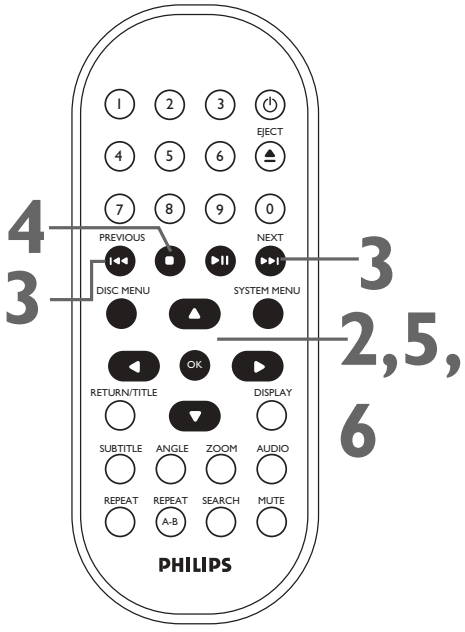
2 **When play is stopped, press ▲ or ▼ to select a Track or Folder. Press OK to open a Folder or to start playing a Track.**

3 **During play, press NEXT ▶▶| or PREVIOUS |◀◀ to move to different Tracks.**

4 **Press Stop ■ to stop play.**

5 **When play is stopped, press ◀ or ▶ to select the DISPLAY or PLAYMODE options near the bottom of the screen. Press ▲ or ▼ to choose DISPLAY or PLAYMODE. Then press OK repeatedly to change the settings of DISPLAY or PLAYMODE. The following settings are available.**
- DISPLAY
  MP3 AND JPEG: On-screen display shows all the MP3 and JPEG files available on the current Disc.
  MIXED: Both JPEG and MP3 folders or files in the Disc will show.
  MP3 ONLY: On-screen display shows only the MP3 Tracks available on the current Disc.
  JPG ONLY: On-screen display lists only the JPEG files available on the current Disc.
- PLAYMODE
  NORMAL: Play Tracks in recorded order (1, 2, 3, etc...).
  REPEAT ONE: Play a Track repeatedly.
  REPEAT DIR (directory): Play the entire directory folder repeatedly.
  RANDOM or SHUFFLE: Both options play the Tracks or Files in random order.

6 **Press ◀ or ▶ to go back to the Track or File list.**

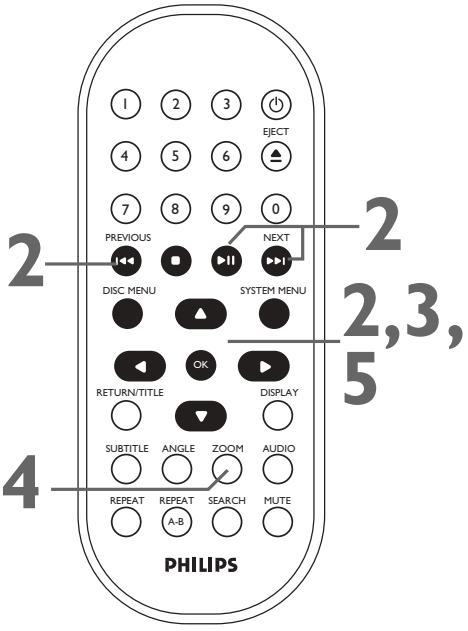


Downloaded From Disc-Player.com Philips Manuals

30 JPEG Play, Playback Control

JPEG Play

Some CD-Rs may contain pictures in a JPEG format. For example, you may have photographic film developed by a retailer that places the pictures on a CD-R for you. These pictures may be in JPEG format. You cannot make or record such CD-Rs using this Player. See your computer manual for details on making CD-R recordings.
If you are playing a CD-R on this Player and the CD-R contains JPEG files, you may want to use some of the JPEG features described below.



1 **When you insert a Disc with JPEG files, the files or pictures available will show on the TV screen.**

2 **Press ▲ or ▼ and OK to select a JPEG image to view. Or, during play, press NEXT ▶▶| or PREVIOUS |◀◀ to move to different JPEG images.**
After you open one JPEG picture, each subsequent file will appear automatically for five seconds. To keep the JPEG image on the screen longer, press Play/Pause ▶II to pause the image.

3 **Press ◀ , ▶ , ▲ or ▼ to rotate or flip an image during play** (if Zoom is off).

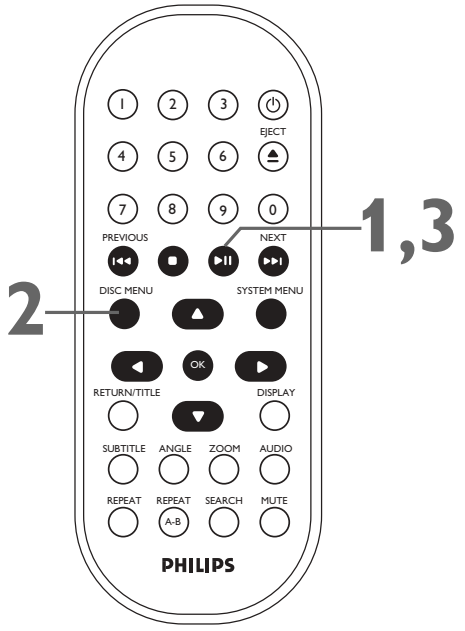
4 **Press ZOOM repeatedly to enlarge an image two or four times during play.** Continue to press Zoom to cancel zooming and return the picture to normal size.

5 **When play is stopped, press ◀ or ▶ to select the DISPLAY or PLAYMODE options near the bottom of the screen. Press ▲ or ▼ to choose DISPLAY or PLAYMODE. Then press OK repeatedly to change the settings of DISPLAY or PLAYMODE. The following settings are available.**

- DISPLAY
  MP3 AND JPG: On-screen display shows all the MP3 and JPEG files available on the current Disc.
  MIXED: Both JPEG and MP3 folders or files in the Disc will show.
  MP3 ONLY: On-screen display shows only the MP3 Tracks available on the current Disc.
  JPG ONLY: On-screen display lists only the JPEG files available on the current Disc.
- PLAYMODE
  NORMAL: Play pictures in recorded order (1, 2, 3, etc...).
  REPEAT ONE: Play a picture repeatedly.
  REPEAT DIR (directory): Play the Directory repeatedly.
  RANDOM or SHUFFLE: Both options play the Pictures or Files in random order.

Playback Control (PBC)

This feature is available only on Video CDs. The Video CD must be compatible with Playback Control. Check the Video CD case for details.



1 **Load a Video CD with PBC and press Play/Pause ▶II. The Video CD will show instructions or options on the TV screen.** Use the Player's remote control buttons as directed by the Video CD.

2 **Press DISC MENU to turn Playback Control on or off.**

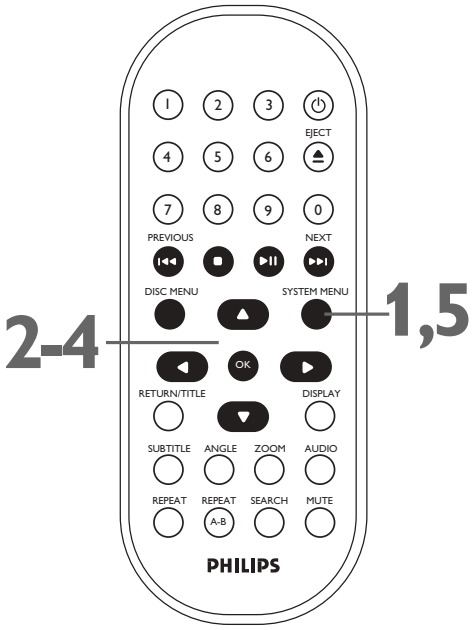
3 **Press Play/Pause ▶II to play the Disc.**

Helpful Hint

- *If a Video CD will not play, turn off Playback Control, then try the Video CD again.*

Downloaded From Disc-Player.com Philips Manuals

DVDs are recorded according to a Color System, the most common of which are NTSC and PAL. NTSC is the most common in the United States. Your TV also operates according to a Color System. This Player is compatible with NTSC and PAL. However, in order for a DVD to play on this Player, the Color System of the DVD, the TV, and the Player should match. If all three are not the same, the DVD may play in only black and white, the picture may roll continuously, or the picture may appear distorted.
The TV Output feature allows you to set the Player to match the Color Systems of your DVDs and your TV.

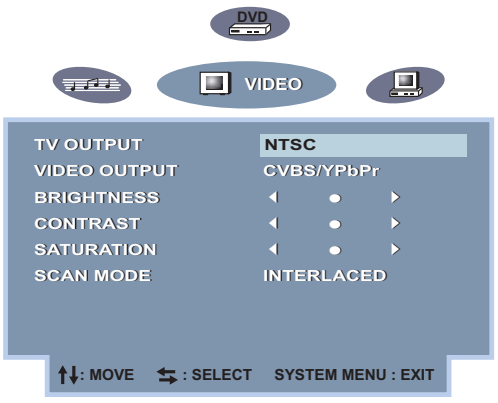


1 **Press SYSTEM MENU.**

2 **Press OK repeatedly to select the VIDEO menu.**

3 **Press ▼ to select TV OUTPUT.**

4 **Press ◀ or ▶ to choose NTSC, PAL, or AUTO, then press OK.** Choose AUTO if your TV is compatible with both NTSC and PAL and you want the Player to automatically select the Color System of the current DVD. Choose NTSC if your TV is NTSC-compatible and your DVDs are recorded in NTSC. Choose PAL if your TV is PAL-compatible and your DVDs are recorded in PAL.

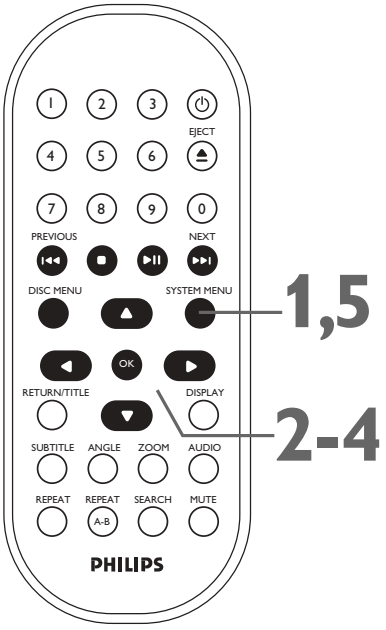


5 **Press SYSTEM MENU to remove the menus.**

Downloaded From Disc-Player.com Philips Manuals

32 Picture Controls

Just as you can adjust your picture on your TV, you can adjust some picture elements at the DVD Player. Choose a picture setting that best displays the Disc you are playing.



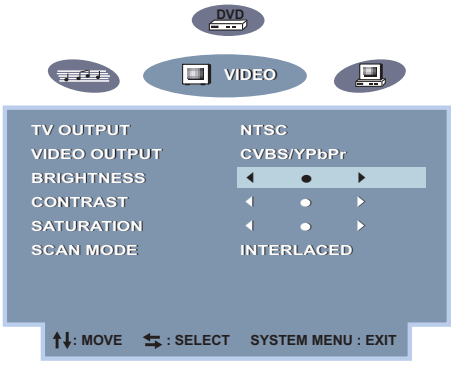
1 **Press SYSTEM MENU.**

2 **Press OK repeatedly to select the VIDEO menu.**

3 **Press ▲ or ▼ to select BRIGHTNESS, CONTRAST, or SATURATION.**

4 **Press ◀ or ▶ to adjust the element you selected, then press OK.**

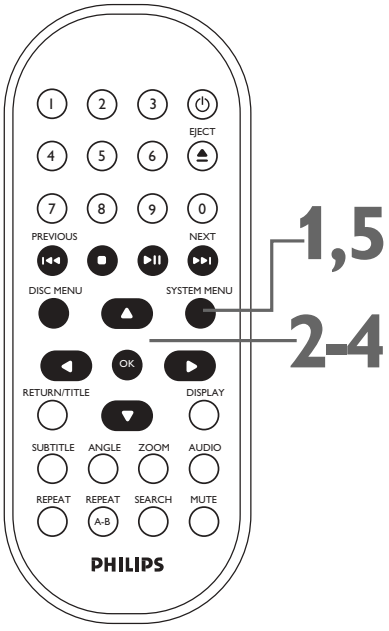
For BRIGHTNESS, press ▶ to add white to the picture. Press ◀ to darken the colors in the picture. Move the dot (●) to the middle for the average setting.
For CONTRAST, press ▶ to add more noticeable difference between the black and white in your picture and sharpen the picture. Press ◀ to blur the distinction between black and white in the picture. The picture will not seem as sharp. Move the dot (●) to the middle for the average setting.
For SATURATION, press ▶ to increase the colours in your picture. Press ◀ to decrease the colors in the picture. Move the dot (●) to the middle for the average setting.



5 **Press SYSTEM MENU to remove the menus.**

Downloaded From Disc-Player.com Philips Manuals

You may set the Player to display video in one of three formats: Letterbox, Pan & Scan, or Wide. The TV SCREEN setting you select must be available on the DVD. If not, the TV SCREEN setting will not affect the picture.



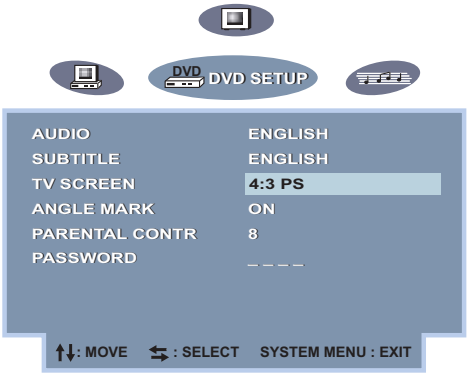
1 **Press SYSTEM MENU.**

2 **Press OK repeatedly to select the DVD SETUP menu.**

3 **Press ▼ repeatedly to select TV SCREEN.**

4 **Press ◀ or ▶ to select 4:3 PS, 4:3 LB, or 16:9, then press OK.**

- Select 4:3 PS (panscan) if you want both sides of the picture to be trimmed, or formatted to fit your TV screen. This setting is possible only if the DVD is recorded in regular, normal, standard, full-screen, or pan & scan format. Check the DVD case for details.
- Select 4:3 LB (letterbox) if you want to see the picture widened with black bars at the top and bottom of the screen. This looks like the picture you see when watching movies in a theater. This setting is possible only if the DVD contains letterbox material. The DVD case may say the DVD is in Letterbox or Widescreen format.
- Select 16:9 if you have a widescreen TV.



5 **Press SYSTEM MENU to remove the menus.**

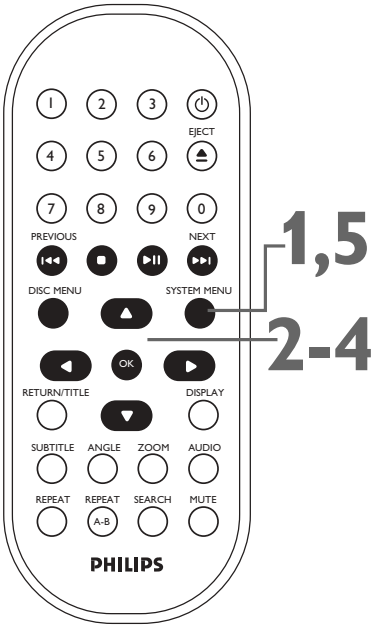
Helpful Hint

- *Some widescreen TVs may show only part of the Player's Menu. This is not an error of the Player settings. Adjust the screen mode on your TV. See your TV owner's manual for details.*

Downloaded From Disc-Player.com Philips Manuals

34 Video Output

Change the VIDEO OUTPUT setting to match your connection between the DVD Player and your TV. If the setting is wrong, the picture may be distorted, without color or absent.

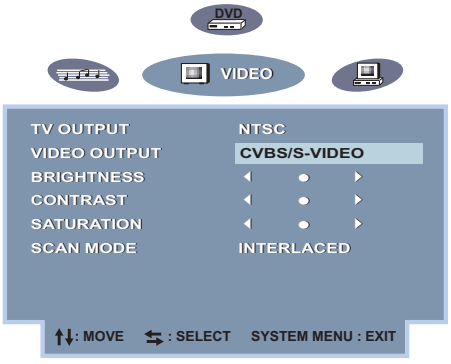


1 **Press SYSTEM MENU.**

2 **Press ◄ or ► to select the VIDEO menu.**

3 **Press ▼ repeatedly to select VIDEO OUTPUT (CVBS/S-VIDEO, etc.).**

4 **Press ◄ or ► to select CVBS/S-VIDEO, CVBS, or CVBS/YCbCr, then press OK.**
Choose CVBS/S-VIDEO if you connected the Player's S-VIDEO jack to the TV's S-Video In jack as described on page 11.
Choose CVBS/YCbCr if you used a Component Video connection as detailed on page 12.
Choose CVBS if you used the Player's yellow VIDEO jack to connect to the TV or RF modulator as shown on pages 9-10.



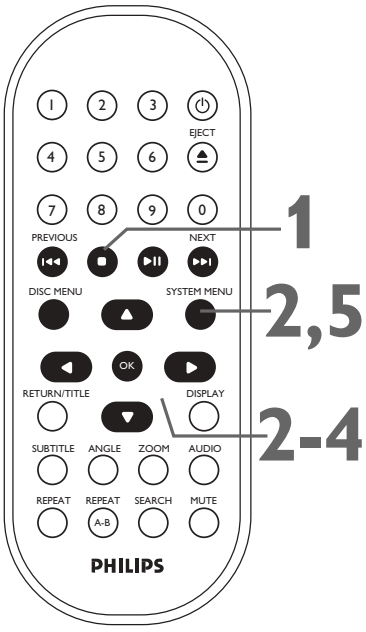
5 **Press SYSTEM MENU to remove the menus.**

Helpful Hint

- *On the TV, the Component Video In jacks may be labelled YUV or Pr/Cr Pb/Cb Y and may be red, blue, and green.*
  Cb is similar to Pb.
  "b" refers to the blue part of the video.
  Cr is similar to Pr.
  "r" refers to the red part of the video.
  "Y" refers to the black & white part of the video.

Downloaded From Disc-Player.com Philips Manuals

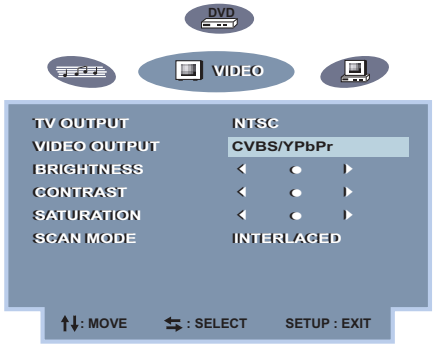
If you used the Player's Y PbCb PrCr jacks to connect to a TV, set SCAN MODE correctly. This unit's Video Output jacks send either regular Component Video or Progressive Scan Video. Choose the setting that matches the video compatibilities of your TV. Before you begin, make sure VIDEO OUTPUT is set to CVBS/YCbCr. *See details on page 34.* No picture will appear if the selected SCAN MODE does not match your TV connection. In this case, always press **EJECT ▲** button, then numerical keypad "0" repeatedly until the picture appears. If a disc was in the player it will eject.



1 **Press Stop ■ twice to stop play completely, if necessary.**

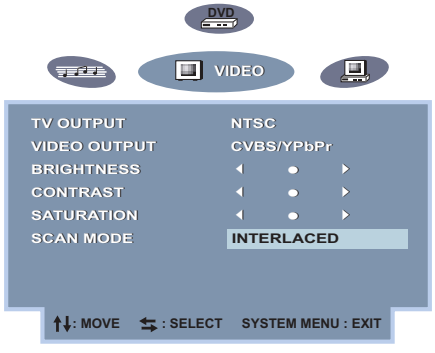
2 **Press SYSTEM MENU, then press ◀ or ▶ repeatedly to select the VIDEO menu.**

3 **Press ▼ repeatedly to select VIDEO OUTPUT (CVBS/S-VIDEO, etc.), then press ◀ or ▶ to choose CVBS/YPbPr, then press OK.**



4 **Press ▼ repeatedly to select SCAN MODE (INTERLACED), then press ◀ or ▶ to choose INTERLACE or PROGRESSIVE, then press OK.**

Note:
Choose PROGRESSIVE only if your TV is set up for Progressive Scan video. Otherwise, you will not have a DVD picture on the TV.



5 **Press SYSTEM MENU to remove the menus.**

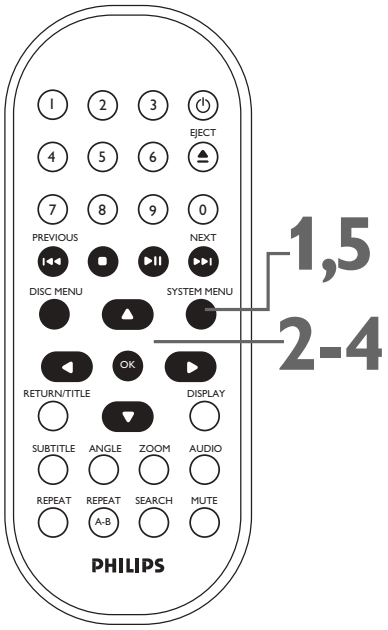
Helpful Hint

- *If you lose the DVD picture because the SCAN MODE setting is wrong, press "EJECT ▲ ". Then press the Number "0" button to reset the Video. The DVD image should reappear on the TV screen. Pressing "0" toggles the setting of SCAN MODE between INTERLACED and PROGRESSIVE only when Video Output is set to "CVBS/YPbPr". (if a disc was in the player it will eject.)*

Downloaded From Disc-Player.com Philips Manuals

36 Digital Output

Adjust DIGITAL OUTPUT if you connected the DVD Player to a Stereo using the Player's COAXIAL (DIGITAL AUDIO OUTPUT) jack.



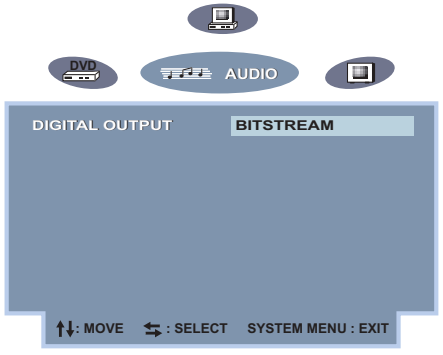
1 **Press SYSTEM MENU.**

2 **Press ◄ or ► repeatedly to select the AUDIO menu.**

3 **Press ▼ to select DIGITAL OUTPUT.**

4 **Press ◄ or ► repeatedly to select BITSTREAM, LPCM 48K, LPCM 96K, or OFF. Then press OK.**

- Choose BITSTREAM if you connected to a Stereo using the Player's COAXIAL (DIGITAL AUDIO OUTPUT) jacks. This selects the original settings as received by most Stereos. If the sound is distorted, your Stereo may need to receive audio in an LPCM (Pulse Code Modulation) format.
- LPCM 48K or LPCM 96K
  Discs are recorded in a certain sampling rate. The higher the sampling rate, the better the sound quality. Some Discs are recorded in a high sampling rate of LPCM 96 KHz, while most are recorded at 48 KHz. Choose LPCM 96K only if your Discs were recorded at 96 KHz. Otherwise, set DIGITAL OUTPUT to LPCM 48K.



5 **Press SYSTEM MENU to remove the menus.**

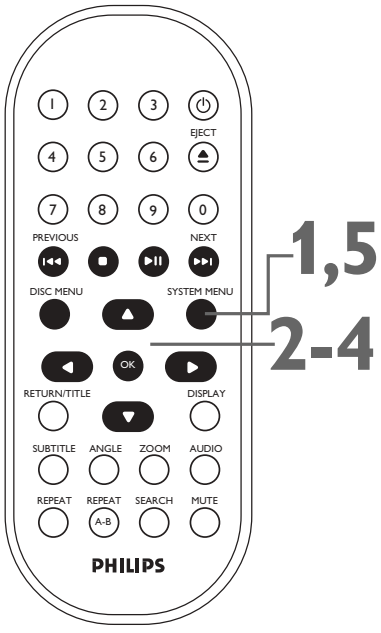
Helpful Hint

- *If you set DIGITAL OUTPUT to LPCM 96K, the sound may be mute if the Disc is copy protected by the Content Scrambling System (CSS).*

Downloaded From Disc-Player.com Philips Manuals

When a DVD has scenes recorded from different angles, the Angle Mark will appear on the TV screen during a multi-angle scene. You can choose whether or not you want the Angle Mark to be visible by turning ANGLE MARK ON or OFF as described below.

Angle Mark example
Current Angle 3 of total 5 available

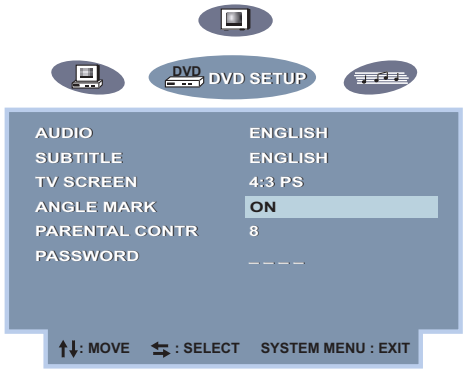


1 **Press SYSTEM MENU.**

2 **Press ◄ or ► repeatedly to select the DVD SETUP menu.**

3 **Press ▼ repeatedly to select ANGLE MARK.**

4 **Press ◄ or ► to select ON or OFF, then press OK.**
If you set ANGLE MARK to ON, the Angle Mark will appear when playing a scene that has different perspectives. Press ANGLE on the remote to watch the scene from a different viewpoint. *Details are on page 23.*
Set ANGLE MARK to OFF if you do not want the Angle Mark to appear on the TV during scenes that have multiple angles available.

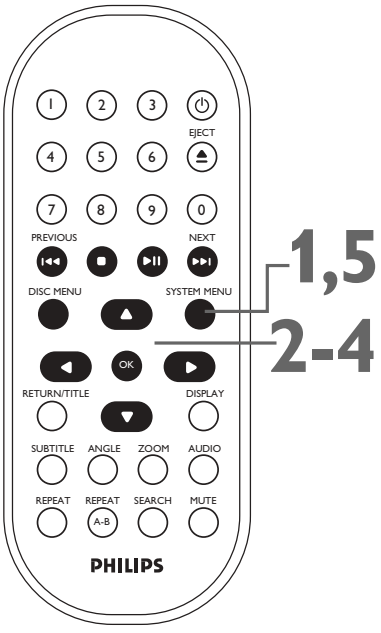


5 **Press SYSTEM MENU to remove the menus.**

Downloaded From Disc-Player.com Philips Manuals

38 On-Screen Display Language

The Player's System Menus are the menus you access when you press SYSTEM MENU on the remote control. This is where you set many of the Player's features. The menu is available in English, Spanish, or French only. To change the language of the menu, follow these steps.

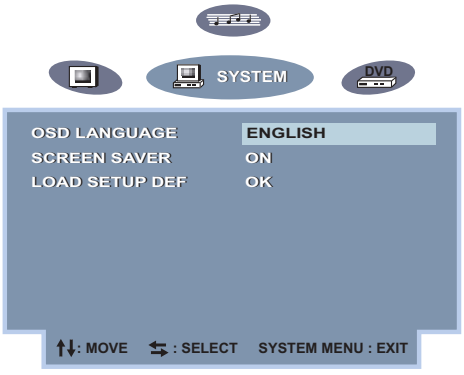


1 **Press SYSTEM MENU.**

2 **Press ◄ or ► repeatedly to select the SYSTEM menu.**

3 **Press ▼ to select OSD LANGUAGE (on-screen display language).**

4 **Press ◄ or ► repeatedly to select ENGLISH, ESPANOL, or FRANÇAIS, then press OK.**



5 **Press SYSTEM MENU to remove the menus.**

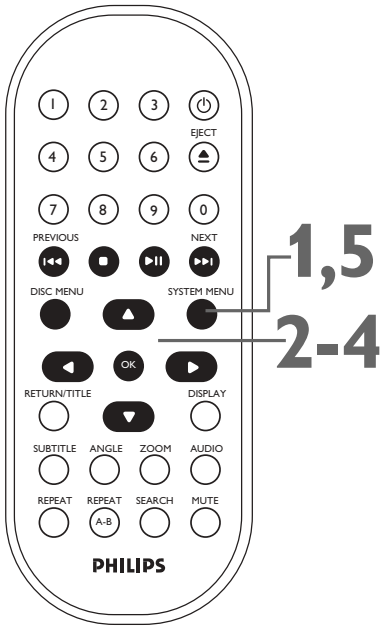
Helpful Hint

- *If you accidentally set OSD LANGUAGE to ESPANOL or FRANÇAIS and need ENGLISH:*

1) Press SYSTEM MENU.
2) Press ◄ or ► repeatedly to select the SISTEMA or SYSTEME menu.
3) Press ▼ to select LENGUAJE OSD or LANGUE OSD.
4) Press ◄ or ► repeatedly to choose ENGLISH, then press OK.
5) Press SYSTEM MENU to remove the menus.

Downloaded From Disc-Player.com Philips Manuals

The Screen Saver is the moving DVD logo that appears on your TV screen when Disc play is stopped and you are not using the Player or its remote. The screen saver prevents damage to your TV screen caused by leaving a still image (the blue DVD background screen) on the TV too long.

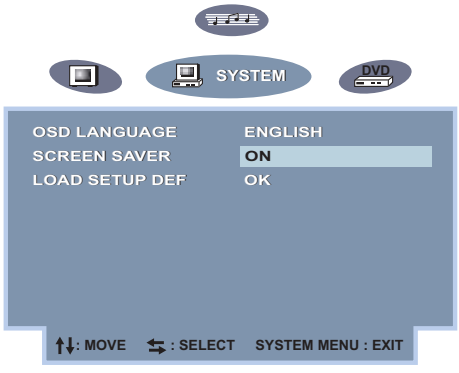


1 **Press SYSTEM MENU.**

2 **Press ◄ or ► repeatedly to select the SYSTEM menu.**

3 **Press ▼ repeatedly to select SCREEN SAVER.**

4 **Press ◄ or ► to select ON or OFF, then press OK.**
If you choose ON, the moving DVD logo will appear after five minutes of not using the Player. After 10 minutes of not using the Player, it will turn off automatically.
If you choose OFF, the Player still will shut itself off after 10 minutes of no use. However, the moving DVD logo will not appear prior to shutting off.

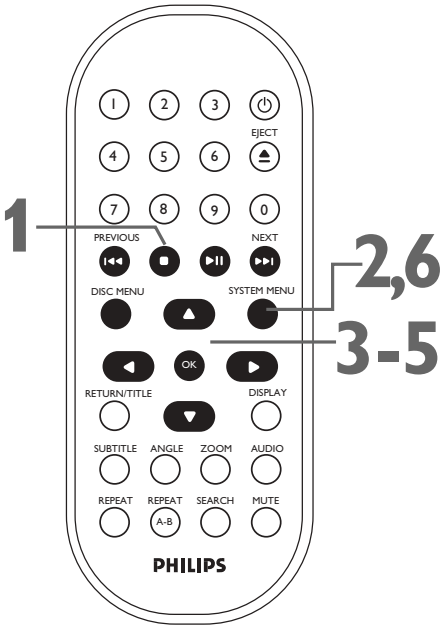


5 **Press SYSTEM MENU to remove the menus.**

Downloaded From Disc-Player.com Philips Manuals

40 Defaults

To restore the original settings of the Player, use the LOAD SETUP DEF (Default) feature.



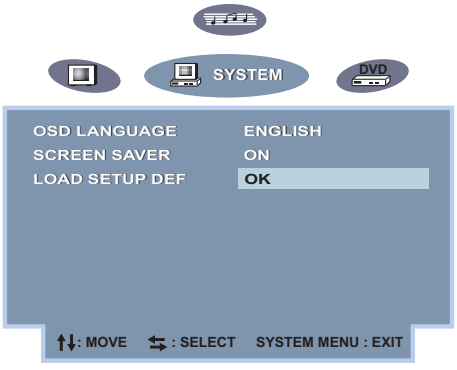
1 **Press Stop ■ twice to stop Disc play completely.**

2 **Press SYSTEM MENU.**

3 **Press ◀ or ▶ repeatedly to select the SYSTEM menu.**

4 **Press ▼ repeatedly to select LOAD SETUP DEF.**

5 **Press ◀ or ▶ to select LOADING**. The original settings of the Player will be restored and OK will reappear beside LOAD SETUP DEF.



6 **Press SYSTEM MENU to remove the menus.**

Helpful Hints

- *Resetting the Defaults may set the Player to a Color System that is not compatible with your TV and DVDs. If the picture is black and white. After you reset LOAD SETUP DEF check the TV OUTPUT setting. Details are on page 31.*
- *You can select LOAD SETUP DEF only if Disc play is stopped completely.*

Downloaded From Disc-Player.com Philips Manuals

No power
- Press Standby ⏻ on the front of the Player or on the remote to turn on the Player.
- Connect the supplied power cord firmly to the MAINS ~ (AC Power) jack on the rear of the Player. Use only the supplied power cord.
- Make sure the power outlet has power by trying another appliance in the same outlet.

No picture
- Make sure the TV power is on.
- Check the video cable(s). Make sure the cable(s) are fastened securely to the Player and to the TV.
- Set your TV to the correct Video In channel. These channels are usually near channel zero (0). Or, you may have a button on the TV remote control that selects an Auxiliary, Video, or A/V IN channel. See your TV owner's manual for details. Or, go to your lowest TV channel and change channels down until you see the blue DVD background screen on the TV. If you are using an RF modulator to connect the DVD Player to the TV, set the TV to channel 3 or 4. *Details are on page nine.*
- You only need one video connection. Refer to page eight to see what connection best suits your situation.
- Check your VIDEO OUTPUT and SCAN MODE settings. *Details are on pages 34-35.*

Distorted picture
- Check the Disc for fingerprints. Clean the Disc with a soft cloth, wiping from the center to the edge in a straight line.
- Sometimes a small amount of picture distortion may appear. This is not a malfunction.
- Set TV OUTPUT correctly. If your TV uses the NTSC Color System.
  Set TV OUTPUT to NTSC. Likewise, the DVDs you play must be in the NTSC format. Check your DVD label or case for details. *Details are on page 31.*

The picture is distorted or the picture is only black and white.
- TVs meet NTSC or PAL Color System standards. If the Disc's or Player's Color System is different than your TV's Color System, the picture will be distorted or colorless.
  However, you can change the Color System of the Player by adjusting TV OUTPUT. *Details are on pages seven and 31.* Choose NTSC, PAL, or AUTO, depending on your TV and your Discs.

The sound is distorted during Disc play through a Stereo.
- Make sure you did not connect any cables from the Player to the Stereo's PHONO IN jack.
- Check your DIGITAL OUTPUT settings. *Details are on page 36.*

No sound
- Check the audio connections. *Details are on pages 9-14.* Remember, you only need one audio connection. Refer to page eight to see what connection best suits your situation.
- Make sure cables are connected firmly to all equipment. Match cable colors to jack colors.
- If you connected the DVD Player to a Stereo, select another sound source or Auxiliary station at your Stereo or see your Stereo manual for details. Or, just continue selecting the different sound sources or modes on the Stereo until you hear sound from the Disc that is in the DVD Player.

Downloaded From Disc-Player.com Philips Manuals

42 Helpful Hints (cont'd)

Disc will not play.

- Make sure the Disc label is facing left when you put the Disc in the Player. If you are playing a two-sided Disc, make sure label of the side you want to play is facing right. *Details are on page 16.*
- Check the Parental Control settings. Select level 8 to turn off Parental Control and play all Discs. *Details are on pages 27-28.*
- Check the NTSC/PAL settings of the Disc, your TV, and the Player. TV OUTPUT *details are on page 31.*
- Check the Region Code of the Disc. The Disc must be coded for All regions or Region 1 in order to play on this Player. *Details are on page seven.*
- See if the Disc is defective by trying another Disc. Make sure the Disc is not scratched or warped. Carefully clean the Disc. *Details are on page seven.*
- Use a commonly available cleaning CD/DVD to clean the lens of the Player.
- Discs that are copy-protected or incorrectly coded by the manufacturer may not play on this Player. Contact your retailer or the Disc manufacturer to obtain a compatible, playable Disc.
- Finalize CD-R and CD-RW Discs before playing them on the DVD Player. Finalize the Discs on the recording device (computer, etc.), not at the DVD Player.

The Player does not respond to the remote control.

- Aim the remote control directly at the IR sensor on the front of the Player. *Details are on page 18.*
- Remove any obstacles between the Player and the remote control.
- Replace the battery in the remote control. *Details are on page 15.*
- Stand or sit directly in front of the Player when using the remote. Using the remote at an angle to the Player (or from the side of the Player) may not work as efficiently.

The buttons on the Player or remote control do not work.

- To reset the Player, disconnect the Player's power cord from the power outlet for several minutes. Then reconnect the Player to power again.

The Player will not select some features, such as Angles, Subtitles, or Audio.

- The feature may not be available on the Disc. If it is not, the " ∅ " will appear on the TV screen. Check the Disc case to see if the Disc has the feature. If the Disc does not have the feature, the Player cannot create the feature. This is not a malfunction of the Player.
- Some features can be changed only during play. Other features can be changed only if play is stopped. Stop or start play, then try the feature again.

The Player turns itself off.

- The Player will turn off automatically if you do not use it or its remote for 10 minutes and Disc play is stopped. This is a power-saving feature that cannot be deactivated.

Downloaded From Disc-Player.com Philips Manuals

Analog: Sound that has not been turned into numbers. Analog sound varies, while digital sound has specific numerical values. Analog sound is available when you use the red and white, left and right audio jacks on your equipment. These jacks send audio through two channels, the left and right.

Bit Rate: The amount of data used to hold a given length of music; measured in kilobits per seconds, or kbps. Or, the speed at which you record. Generally, the higher the bit rate, or the higher the recording speed, the better the sound quality. However, higher bit rates use more space on a disc. For example, an MP3 music file recorded at 32 kbps will record slowly, use the least Disc space, and have the poorest sound quality. But, an MP3 music file recorded at 96 kbps will record quicker, use more Disc space, and have significantly better sound quality.

CD: Compact Disc (audio).

COAXIAL (DIGITAL AUDIO OUTPUT) jack: Sends digital audio to a Stereo, allowing you to adjust the volume at the Stereo. The Stereo must have a Coaxial In jack. This connection provides the 5.1 channel surround sound as heard in movie theaters.

Component Video: Use the Y Pb/Cb Pr/Cr jacks on the rear of the Player to send high-quality video to a TV that has Component Video In jacks.

Digital: Sound that has been converted into numerical values. Digital sound is available when you use the COAXIAL DIGITAL AUDIO OUTPUT jacks. This jack sends audio through multiple channels, instead of just two channels as analog does.

Direct Stream Digital (DSD): New technology used to record Super Audio CDs. DSD uses a 1-bit system with a digital sampling frequency 64 times higher than a regular Audio CD, resulting in a frequency response of over 50 kHz and a 120 dB dynamic range.

Dolby Digital: A surround sound system that provides 5.1 channel sound as used in movie theaters.

DTS: Digital Theater Systems. This is a surround sound system, but it is different from Dolby Digital. The formats were developed by different companies.

DVD: Digital Video Disc.

Letterbox: A TV SCREEN setting (4:3 aspect ratio). Displays the video in full-width, with black bars at the top and bottom of the TV screen. This format is similar to seeing a movie in a theater. If the Disc does not include a Letterbox format, selecting Letterbox for TV SCREEN may have no effect. (For example, some DVDs are two-sided, with one side playing in Letterbox and the other side playing in a normal format.) DVDs may refer to Letterbox as the Widescreen format.

Multichannel sound: Available when you connect the Player to a six-channel Receiver. The Receiver sends sound to six speakers: front left and right, rear or surround left and right, center, and subwoofer.

Pan Scan: A TV SCREEN setting (4:3 aspect ratio). Displays the video with full-height picture, with one or both sides of the picture trimmed. Some movie companies refer to this as "reformatting the picture to fit your TV screen."

Super Audio Compact Disc (SACD): There are three types of Super Audio CDs: single-layer, dual-layer, and hybrid. Each may contain two areas of recorded audio: High Quality (HQ) Stereo and High Quality (HQ) Multi-channel.
Hybrid SACDs may contain both HQ Stereo and HQ Multi-channel, plus a standard CD layer, making it playable on standard CD players. Check the SACD case to determine what type of SACD you have. This Player will play only the CD layer (if it is available on the SACD).

S-Video: Produces a clearer picture by sending separate signals for the luminance and the color. If you connect an S-Video cable, you will not need to use the supplied yellow video cable. You can use S-Video only if your TV has an S-Video In jack.

VIDEO Jack: Yellow jack on the rear of the Player that sends video to a TV.

Widescreen: A TV SCREEN setting (16:9 aspect ratio). Displays the video appropriately when you connect the Player to a widescreen TV.

Downloaded From Disc-Player.com Philips Manuals

44 Specifications

PLAYABLE DISCS

Audio CDs (Compact Discs)
CD Recordable (CD-R)
CD Rewritable (CD-RW)
DVD-Video
MP3-CD
Super Video CD (SVCD)
Video CD (VCD)
Super Audio CD (SACD) (plays CD layer only)

TV STANDARD	**PAL/50Hz**	**NTSC/60Hz**
Number of lines	625	525
Playback	Multistandard	(PAL/NTSC)

VIDEO PERFORMANCE

VIDEO OUT	1Vpp---75Ω
S-VIDEO OUT	Y: 1 Vpp---75Ω
	C: 0.3 Vpp---75Ω
Y Pb/Cb Pr/Cr	Y: 1 Vpp---75Ω
	Pb/Cb: 0.7 Vpp---75Ω
	Pr/Cr: 0.7 Vpp---75Ω

CABINET

Dimensions (w x h x d):	9 x 2.2 x 11.7 inches
	(228 x 56 x 296 mm)
Weight:	Approximately 5.1 lbs (2.32 kg)

AUDIO FORMAT

Digital	MPEG	Compressed Digital
	Dolby Digital	16, 20, 24 bits
	PCM	fs 44.1, 48, 96 kHz

- Analog Stereo Sound
- Dolby Surround-compatible downmix from Dolby Digital multi-channel sound

AUDIO PERFORMANCE (TYPICAL)

DA Converter		24 bit
Signal to Noise (1kHz)		> 90 dB
Dynamic range (1kHz)		> 80 dB
Crosstalk (1kHz)		> 80 dB
Distortion and Noise (1kHz)		> 88 dB
MPEG MP3	MPEG Audio L3	
DVD	fs 96 kHz	4 Hz -44 kHz
SVCD/VCD/Audio CD	fs 44.1 kHz	4 Hz -20 kHz
DVD/SVCD	fs 48 kHz	4 Hz -22 kHz

REAR CONNECTIONS

Y Pb/Cb Pr/Cr Component	
Video Out	Cinch (green/blue/red)
S-Video Out	Mini DIN, four pins
Video Out	Cinch (yellow)
Audio Out	Cinch (white/red, left/right)
Digital Audio Out	one coaxial
	IEC958 for Audio CD and LPCM
	IEC1937 for MPEG1/2, Dolby Digital

LASER

Type	Semiconductor laser GaAlAs
Wavelength	650nm (DVD)
	780nm (Video CD/Audio CD)
Output power	7mW (DVD)
	10mW (Video CD/Audio CD)
Beam divergence	60 degree

Downloaded From Disc-Player.com Philips Manuals

Digital Video Disc Player

90 days Free Product Exchange / 91 days–One Year Reduced-Cost Exchange

WHO IS COVERED?
You must have proof of the date of purchase to exchange your product. A sales receipt or other document showing the date that you purchased the product is considered such proof.

WHAT IS COVERED?
Warranty coverage begins the day you buy your product. *For 90 days thereafter,* you may exchange the defective product for a free new or renewed product through Philips. *From 91 days to one year from the date of purchase,* you will pay a preset exchange fee to obtain a new or renewed product. Follow the exchange procedures on the next page. This exchange opportunity ends one year after the date of purchase. The replacement product is covered only for the warranty period of the original product. When the warranty on the original product expires, the warranty on all replaced products also expires.
When it is necessary for you to ship the product to Philips for exchange, you will pay the shipping costs for shipment to Philips. Philips will pay the shipping costs when returning a product to you.

WHAT IS EXCLUDED?
Your warranty does not cover:
- shipping charges to return defective product.
- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of improper installation, abuse, neglect, misuse, accident, unauthorized repair or other cause not within the control of Philips.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- a product used for commercial or institutional purposes (including but not limited to rental purposes).

WHERE IS EXCHANGE AVAILABLE?
Warranty exchange is available in all countries where the product is officially distributed by Philips. In countries where Philips does not distribute the product, the local Philips service organization will attempt to exchange the product, although there may be a delay if the appropriate product is not readily available.

MAKE SURE YOU KEEP...
Please keep your sales receipt or other document showing proof of date of purchase. Attach it to the owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE EXCHANGING THE PRODUCT...
Please check your owner's manual before exchanging the product. Adjustments of the controls discussed there may save you time and money.

LIMITATION OF LIABILITY AND REMEDY...
PHILIPS IS NOT LIABLE UNDER ANY CIRCUMSTANCES FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, HOWSOEVER INCURRED, EVEN IF NOTIFIED OF THE POSSIBILITY OF SUCH DAMAGES.
TO THE EXTENT PERMITTED BY LOCAL LAW, THE REMEDIES PROVIDED IN THIS WARRANTY STATEMENT ARE YOUR SOLE AND EXCLUSIVE REMEDY.
THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE/PROVINCE TO STATE/PROVINCE.

TO EXCHANGE YOUR PRODUCT IN THE U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS...
FOLLOW THE INSTRUCTIONS STATED PREVIOUSLY IN THE "WHAT IS COVERED" SECTION, OR REFER TO THE EXCHANGE INSTRUCTIONS ON THE NEXT PAGE.
IN THE U.S.A., PUERTO RICO, AND U.S. VIRGIN ISLANDS, ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE SPECIFICALLY DISCLAIMED, AND TO THE EXTENT INCONSISTENT WITH LAW OF THE LOCALITY OF THE USER, LIMITED IN DURATION TO THE DURATION OF THIS EXPRESS WARRANTY. BECAUSE SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY MAY LAST, THIS LIMITATION MAY NOT APPLY TO YOU.

TO EXCHANGE A PRODUCT IN CANADA...
Please contact Philips at:
1-800-661-6162 (French Speaking)
1-800-531-0039 (English or Spanish Speaking)
In Canada, this warranty is given in lieu of all other warranties. There are no other warranties, express or implied, including any implied warranties of merchantability or fitness for a particular purpose.

REMEMBER...
Please record below the model and serial numbers found on the product. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.
MODEL #_____
SERIAL #_____

Downloaded From Disc-Player.com Philips Manuals

EXCHANGE INSTRUCTIONS

To exchange your product with Philips (per the warranty conditions stated previously), remember:

- If you exchange the product within 90 days of the original purchase, there is no cost to you.*
- If you exchange the product more than 90 days after but less than one year after the day of original purchase, contact Philips at 1-800-531-0039 to determine the preset cost for exchange.
- If you do not have your original sales receipt, or if you have any questions, call Philips at 1-800-531-0039.

To obtain a replacement product from Philips:

1. Contact Philips at 1-800-531-0039 to determine the cost for exchange.
2. Complete the Exchange Form below.
3. Pack the product and its accessories in the original box or a suitable alternative. You will receive replacement accessories with your replacement product. For packing details, call Philips at 1-800-531-0039.
4. Put the completed Exchange Form, a copy of the original sales receipt, and the proper payment amount into an envelope. DO NOT SEND CASH. Do not staple or clip these items together. Label the envelope "Return Documents Enclosed." Place this envelope in the box with the product.
5. Seal the box with packing tape and return the product via United Parcel Service (UPS), insured and freight prepaid, to:

   Philips Recovery Center
   Rojas 6
   12420 Mercantile Avenue
   El Paso, TX 79928
   ATTENTION: DVD PLAYER EXCHANGE

A replacement will be sent to you via UPS within 48 business hours of Philips' receipt of the product.

**When it is necessary for you to ship the product to Philips for exchange, you will pay the shipping costs for shipment to Philips. Philips will pay the shipping costs when returning a product to you.*

EXCHANGE FORM

Your Address (street address to which replacement should be delivered, no P.O. boxes allowed):

Name:

Street Address: Apt. #:

City: State/Province: Zip Code/Postal Code:

Phone (day): Phone (night):

Exchange Fee: _____ **+ Sales Tax:** _____ **= Total:** _____

Method of Payment: (Check one. Please, no cash or CODs.)

_____ Check/Money order Check/Money order No. _____

		Account number	Expiration date
_____	American Express	_____	_____
_____	Visa	_____	_____
_____	Novus/Discover	_____	_____
_____	Mastercard	_____	_____

Signature: _____

Detailed reason for return, use additional paper if necessary: _____

_____

Model Number _____ Serial Number _____

Remember, the return box should include the following:

- **The product,**
- **Completed Exchange Form and sales receipt,**
- **Accessories supplied with the product, and**
- **Payment, if applicable.**

Downloaded From Disc-Player.com Philips Manuals

angle 23, 37
angle button 17, 23
angle mark 23, 37
arrow buttons 17
audio button 17, 25
audio language 25
audio out 19

batteries 15
brightness 32
camera angle 17, 23, 37
chapters 20
cleaning discs 7
coaxial digital audio output jack 14, 19, 36, 43
color systems 7, 31
component video 12, 19, 34, 43
connections 8-14
contents of package 6
contents, table of 3
contrast 32
controls, remote 17

defaults 40
digital output 14, 36, 43
disc menu button 17, 20
disc menus 20
disc slot 16, 18
display button 17
dvd video 7

eject button 17, 18

fast forward and fast reverse 21
front panel 18

glossary 43

helpful hints 41-42
hookups 8-14

interlace 35
IR (infrared) remote sensor 15, 18

jpeg 30

language 25, 26, 38
letterbox 33, 43
limited warranty 45-46
load setup def 32

menu language 38
menus 6
MP3 29
mute 17

next button 17
NTSC 7, 31
number buttons 17

ok button 17
on-screen display language 38

pal 7, 31
panscan 33
parental control levels 28
parental control password 27
pbc 30
picture controls 32
play/pause button 17, 18
playable discs 7
playback control 30
playing a disc 16
previous button 17, 18
progressive scan 12, 35

rear panel 19
region codes 7
remote control buttons 17
remote sensor 15, 18
repeat a-b 24
repeat a-b button 17, 24
repeat button 17, 24
repeat playback 24
return/title button 17, 20
reverse searching 21

sacd 43
safety precautions 4-5
saturation 32
scan mode 35
screen saver 39
search 22
search button 17, 22
slow motion 21
specifications 44
standby ⏻ button 17, 18
standby light 18
still picture 22
stop button 17
subtitle button 17, 26
subtitles 26
svcd 7
s-video 11, 31
s-video jack 11, 19, 43
system menu button 17
system menu language 38

table of contents 3
time search 22
title menus 20
titles 20
tracks 20
tv output 31
tv screen 33

video cd 7, 30
video input channel (tv) 8
video jack 9, 10, 19, 43
video output 34

warranty 45-46
widescreen tv 33, 43

Y, Pb/Cb, Pr/Cr jacks 12, 19

zoom 23
zoom button 17, 23

Downloaded From Disc-Player.com Philips Manuals

Philips Consumer Electronics NORTH AMERICA
Knoxville, Tennessee 37914-1810, USA

This owner's manual is made of recyclable materials.
Remember to recycle!

IB8443E001
Final version 2.0

Downloaded From Disc-Player.com Philips Manuals